TOSHIBA

FILE NO. 010-200313

SERVICE MANUAL

LCD Colour TV

F3LW Chassis

32WL36P

Jan. 2004 (YC)

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⚠ SERVICE SAFETY PRECAUTIONS

- The caution items shown here describe major safety issues and should always be observed.
- The meanings of the various indications are as follows.

⚠ WARNING	Indicates a hypothetical situation in which service personnel and nearby third parties, or even end users due to a product defect after the service operation is completed, could possibly be in danger of injury or even death in the event of operational error.
⚠ CAUTION	Indicates a hypothetical situation in which service personnel and nearby third parties, or even end users after the service operation is completed, could possibly be in danger of injury, or where there could be physical damage in the event of operational error.

* Physical damage means major damage to a home, furnishings and other possessions.

Examples of marks

SHOCK HAZARD	The △ indicates caution (including danger and warning). The actual meaning of this caution is indicated inside the △ or nearby illustrations or text. The example shown to the left indicates the danger of "electrical shock".
PROHIBIT DISASSEMBLING	The ⃠ indicates a forbidden action. The actual meaning of this caution is indicated inside the ⃠ or nearby illustrations or text. The example shown to the left indicates that disassembly is forbidden.
UNPLUG	The ● indicates a forced action (an action that must be performed). The actual meaning of this forced action is indicated by ● or nearby illustrations or text. The example shown to the left indicates that the power plug must be disconnected.

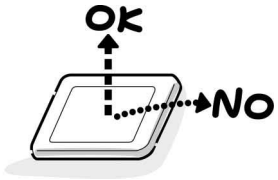
	⚠ WARNING
KEEP CHILDREN AWAY	• Always advise users to keep children away. There is danger of injury to children from tools, disassembled products, etc.
UNPULUG	• Always disconnect the power plug before starting work whenever power is not required. Failure to disconnect the power plug before starting work can result in electrical shock.
SHOCK HAZARD	• Depending on the model, use an insulation transformer or wear gloves when servicing with the power on, and disconnect the power plug to avoid electrical shock when replacing parts. In some cases, alternating current is also impressed in the chassis, so electrical shock is possible if the chassis is contacted with the power on.
USE SPECIFIED PARTS	• Always use the replacement parts specified for the particular model when making repairs. The parts used in products have the necessary safety characteristics such as inflammability, voltage resistance, etc.; therefore, use only replacement parts that have these same characteristics. Use only the specified parts when the ⚠ mark is included in a circuit diagram or parts list.
CAUTION FOR WIRING	• Parts mounting and routing of the wiring should be the same as that used originally. For safety purposes, insulating materials such as tubing or tape is sometimes used and printed circuit boards are sometimes mounted floating. Also make sure that wiring is routed and clamped to avoid parts that generate heat and which use high voltage. Always follow the original scheme.
CAUTION FOR ASSEMBLING / WIRING	• After a repair has been completed, reassemble all disassembled parts, and route and reconnect the wiring, in accordance with the original scheme. Do not allow internal wiring to be pinched by cabinets, panels, etc. Any error in reassembly or wiring can result in electrical leakage, flame, etc., and may be hazardous.
CHECK INSULATION RESISTANCE	• After completing the work, disconnect the power plug from the outlet, remove the antenna, turn on the power switch. Then, use a 500V insulation resistance meter to check the insulation resistance of the antenna terminal, other metallic parts and between the prongs of the power plug to make sure that the insulation resistance is 1M Ω or more. The set will require inspection and repair if the insulation resistance is below this value.
PROHIBIT REMODELING	• Never remodel the product in any way. Remodeling can result in improper operation, malfunction, or electrical leakage and flame, which may be hazardous

HANDLING THE LCD MODULE

Safety Precautions
In the event that the screen is damaged or the liquid crystal (fluid) leaks, do not breathe in or drink this fluid. Also, never touch this fluid.
Such actions could cause toxicity or skin irritation. If this fluid should enter the mouth, rinse the mouth thoroughly with water. If the fluid should contact the skin or clothing, wipe off with alcohol, etc., and rinse thoroughly with water. If the fluid should enter the eyes, immediately rinse the eyes thoroughly with running water.

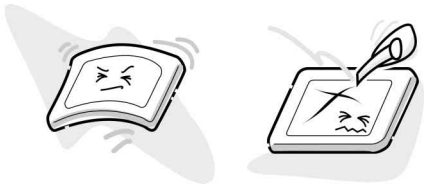
Precautions for Handling the LCD Module
The LCD module can easily be damaged during disassembly or reassembly; therefore, always observe the following precautions when handling the module.

1. When attaching the LCD module to the LCD cover, position it appropriately and fasten at the position where the display can be viewed most conveniently.



2. Carefully align the holes at all four corners of the LCD module with the corresponding holes in the LCD cover and fasten with screws. Do not strongly push on the module because any impact can adversely affect the performance. Also use caution when handling the polarized screen because it can easily be damaged.

CAUTION	The metal edges of the LCD module are sharp, so use caution to avoid injury.

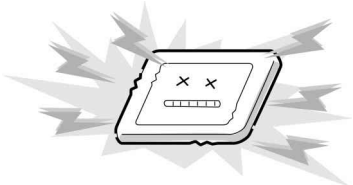


3. If the panel surface becomes soiled, wipe with cotton or a soft cloth. If this does not remove the soiling, breathe on the surface and then wipe again.
   If the panel surface is extremely solied, use a CRT cleaner as a cleaner. Wipe off the panel surface by drop the cleaner on the cloth. Do not drop the cleaner on the panel. Pay attention not to scratch the panel surface.

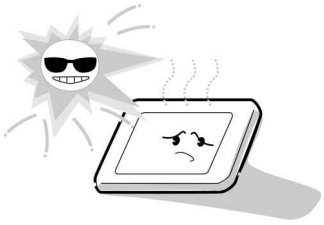
4. Leaving water or other fluids on the panel screen for an extended period of time can result in discoloration or stripes. Immediately remove any type of fluid from the screen.

5. Glass is used in the panel, so do not drop or strike with hard objects. Such actions can damage the panel.

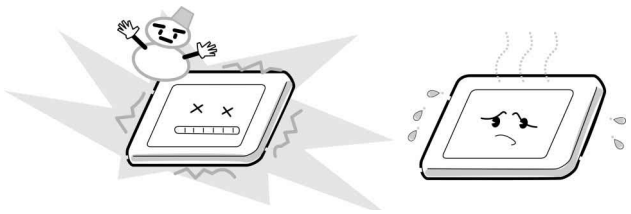
6. CMOS-LSI circuitry is used in the LCD module, so avoid damage due to static electricity. When handling the module, use a wrist ground or anchor ground.



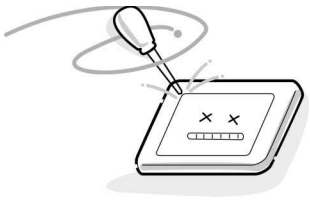
7. Do not expose the LCD module to direct sunlight or strong ultraviolet rays for an extended period of time.



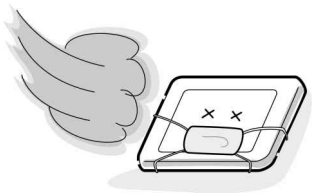
8. Do not store the LCD module below the temperature conditions described in the specifications. Failure to do so could result in freezing of the liquid crystal due to cold air or loss of resilience or other damage.



9. Do not disassemble the LCD module. Such actions could result in improper operation.



10. When transporting the LCD module, do not use packing containing epoxy resin (amine) or silicon resin (alcohol or oxim). The gas generated by these materials can cause loss of polarity.



Cleaning

Remove the power plug before cleaning.
Do not use solvents such as benzine or thinner to clean the TV.
– These solvents may distort the cabinet or damage its finish.
– If rubber or vinyl products remain in contact with the TV for a long time, a stain may result.

When the cabinet becomes dirty, clean it with a soft, dry cloth.
When the cabinet is very dirty.
– Use a damp cloth to wipe the cabinet clean.
– Finish with a dry cloth.

When cleaning the surface of the LCD display:
– Wipe the panel surface gently with a soft, dry cloth.

When dust has collected on the power plug connectors, remove the plug from the outlet and clean off the dust.
This dust may cause a fire due to reduced insulation on the plug.

SERVICE MODE

1. ENTERING TO SERVICE MODE

(1) Procedures

1) Press MUTE key of remote hand unit to ingicate MUTE on screen.
2) Press again MUTE key of remote hand unit to keep pressing until the next procedure.
(OSD display disappears.)
3) In the status of above (2),press MENU key on TV set.

(2) During service mode,indication S is displayed at upper right corner on screen.

(3) Service mode is not memorized as the last-memory.

2. TEST SIGNAL SELECTION

The function of VIDEO test signal selection is cyclically changed with VIDEO key (remote unit) in Service mode.

Table 1

Test signal No.	Name of pattern
0	Signal OFF
1	NTSC All Red signal
2	NTSC All Green signal
3	NTSC All Blue signal
4	NTSC Cross hatch
5	NTSC All white signal
6	PAL All Red signal
7	PAL All Green signal
8	PAL All Blue signal
9	PAL Cross hatch
10	PAL All white signal
0	Signal OFF

3. SERVICE ADJUSTMENT

(1) ADJUSTMENT MENU INDICATION ON/OFF :
MENU key(on TV set)

(2) During display of adjustment menu,the followings are effective.

1) Selection of adjustment item :
POS UP/DN key (on TV/Remote unit)
2) Adjustment of each item :
VOL UP/DN key (on TV/Remote unit)
3) Direct selection of adjustment item
R CUTOFF : 1 POS (Remote unit)
G CUTOFF : 2 POS (Remote unit)
B CUTOFF : 3 POS (Remote unit)
4) Data setting for PC unit adjustment
SUB CONTRAST : 4 POS (Remote unit)
SUB COLOR : 5 POS (Remote unit)
SUB TINT : 6 POS (Remote unit)
5) Screen adjestment mode ON/OFF: Previous
6) Test signal selection: VIDEO (Remote unit)
* In service mode,serviceable items are limited.

(3) Self check display : 9 POS (Remote unit)
* Cyclic display

(4) Initialization of memory(QA02 E^2PROM) :
CALL(Remote unit)+POS UP(TV)
Causion : All data of memory IC(including factory setting value) is initialized by this operation.
(Replacement of memory IC is required.)

(5) Initialization of self check data :
CALL(Remote unit)+POS DN(TV)

(6) BUS OFF :
CALL(Remote unit)+VOL UP(TV)

4. FAILURE DIAGNOSIS PROCEDURE

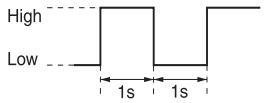
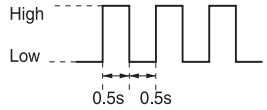
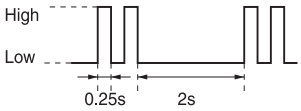
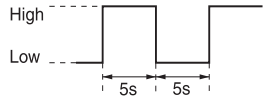
This model is equipped with self diagnosis function inside for trouble shooting.

4-1.Contens to be Confirmed by Customer

Table 2

Contents of self diagnosis	Display items and actual operation
Set Power does not turn on by power-key, or It turns off automatically. 1.When power protection circuit operates; 2.When FAN STOP was detected: 3.When failure of Audio circuit was detected:	Power indicator lamp blinks and picture does not come. 1.Power indicator red lamp blinks.(0.5 seconds interval) 2.Power indicator red lamp blinks.(3 seconds interval) 3.Power indicator red lamp blinks.(5 seconds interval) If these indications appear, repairing work is required.

DIAGNOSIS FUNCTION FOR LED INDICATION

LED	CAUSE
LED is lit in 1 second at intervals of 1 second. 	Short-circuit detection of BUS line BUS line may possibly be short-circuit (SDA to SCL), or BUS line (SDA, SCL) is grounded.
LED is lit in 0.5 at intervals of 0.5 second. 	Overcurrent limiter detection POWER terminal on TV microprocessor becomes LOW at 2 seconds or more.
LED is lit in 0.25 second at intervals of 2 second. 	Interruption of FAN motor function detection No. 53 terminal on TV microprocessor becomes HIGH for 30 seconds.
LED is lit in 5 seconds at intervals of 5 seconds. 	Abnormal sound detection P4 terminal of QS10 becomes LOW for 15 seconds during Speaker is activated.

High : Lighting Low : No Lighting

4-2. Contens to be Confirmed in Service Work (Check in Self Diagnosis Mode)

Table 3

Contents of self diagnosis	Display items and actual operation
Contents of self diagnosis	Display items and actual operation
B.Indication of part code of micro computer.(QA01)	* Please see item.4-4
C.Total Time of Power on (hour)	
D.Number of operation of power protection circuit	
E.Check of communication status in BUS line	
F.Check of signal line by sync signal detection	

4-3. Executing Self Diagnosis Function

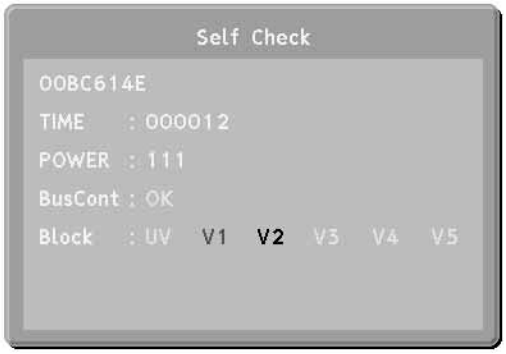
Procedures

(1) Set to service mode.

(2) Pressing "9" key on remote unit displays self diagnosis result on screen.
Every pressing changes mode as below.
SERVICE mode → SELF DIAGNOSIS mode → M2 System version info → Version check(QA01,QM24 etc)

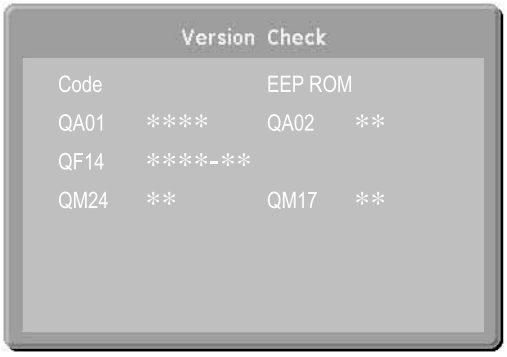
(3) To exit from service mode,turn power off.

<SELF DIAGNOSIS mode>



<OSD/TEXT M2 Sub System Information>

<Version Check>



Description for Version Check Screen

QA01 **** – Version information for MainMicom(QA01)
QA02 ** – Version information for E^2PROM(QA02)
QF14 ****-**** – Version information for M2 Sub-Micom(QF14)
QM24 ** – Version information for BEP Sub-Micom(QM24)
QM17 ** – Version information for BEP E^2PROM(QM17)

4-4. Self Diagnosis Function Indication & Contents

<Example of screen display>

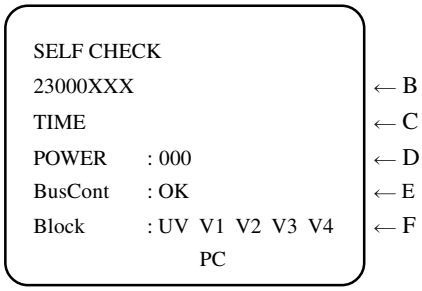


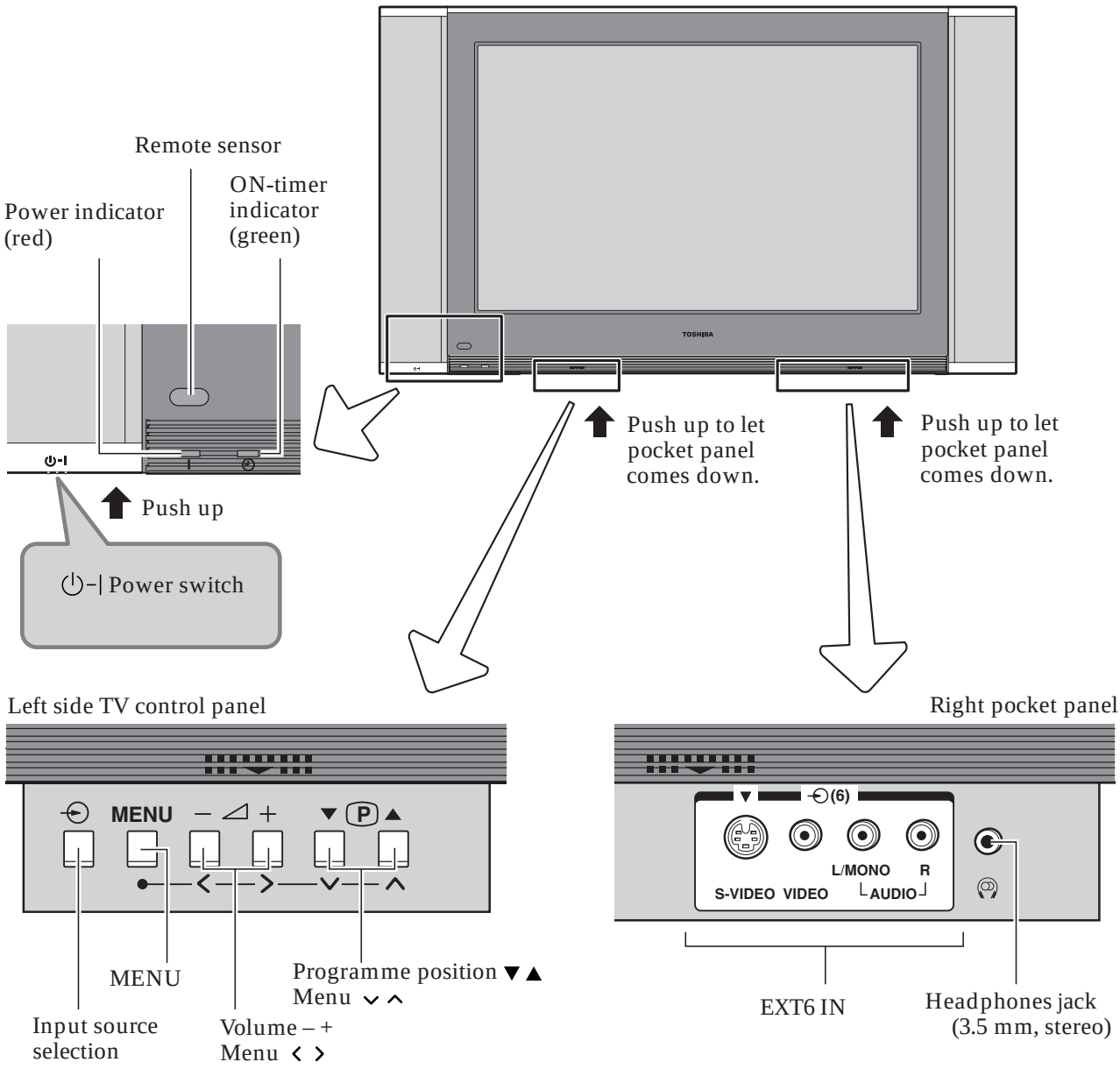
Fig. 1

Table 4

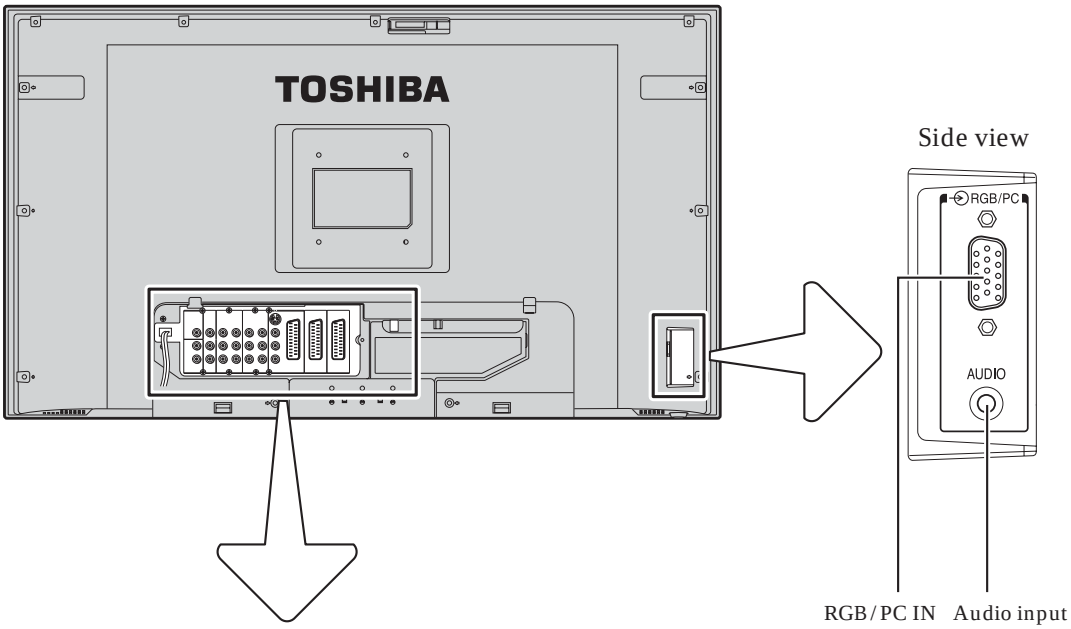
Item	Contents	Instruction of results
B) Partcode	Indication of part code of micro computer. (QA01)	
C) TIME	Total Time of Power on (hour)	
D) POWER	Number of operation of power protection circuit	
E) BUS CONT	Communication state of bus line	Indication of"OK"for normal result Indication of failure place in abnormality (Failure place to be indicated) QA02 NG, H001 NG, Q501 NG, QV01 NG, Q4420 NG H002 NG QA02 : E^2PROM, H001 : MAIN TUNER, Q501 : MCD QV01: AVSW, Q4420 : SCAN PROCESSOR H002 : ITT,DSP,APRO Note 1. The indication of failure place is only one place though failure places are plural. When repair of a failure place finishes,the next failure place is indicated.
F) BLOCK	The sync signal part in each video signal supplied from each block is detected. Then by checking the existence or non of sync part,the result of self diagnosis is displayed on screen.Besides,when "9" key on remote unit is pressed,diagnosis operation is first executed once.	*Indication by color Select Source : Sync exists = Green : No Sync = Red Other Source : Black

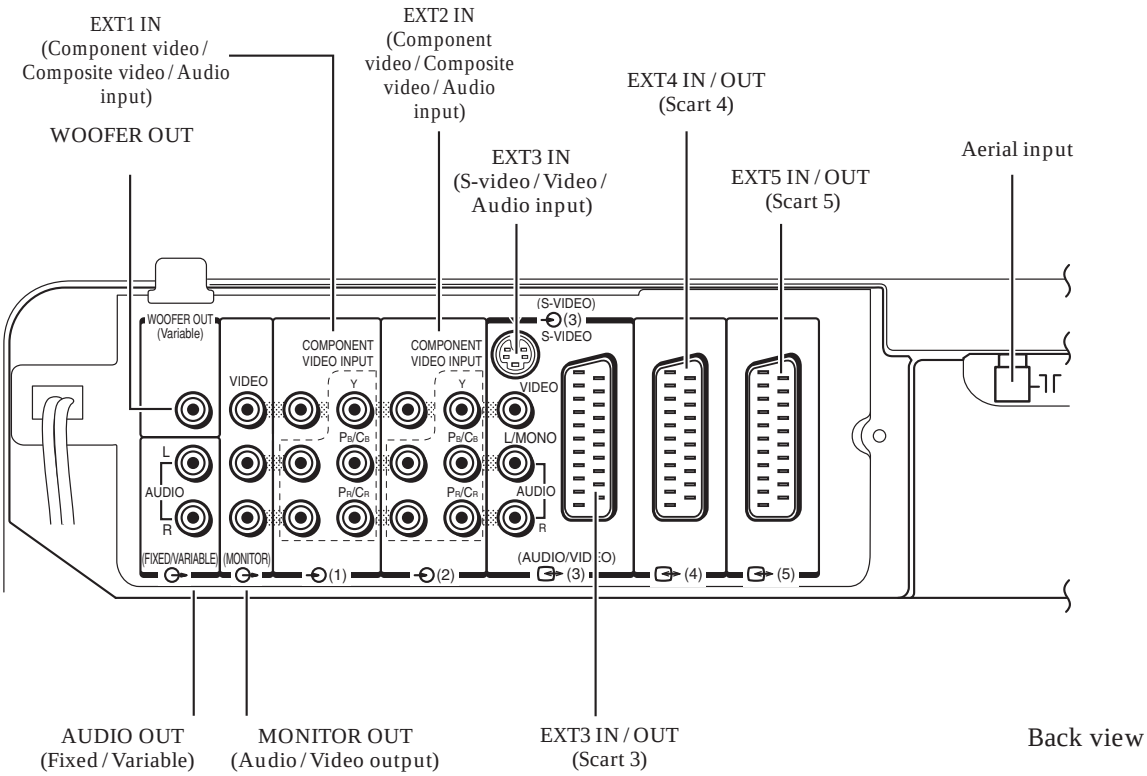
LOCATION OF CONTROLS

Front

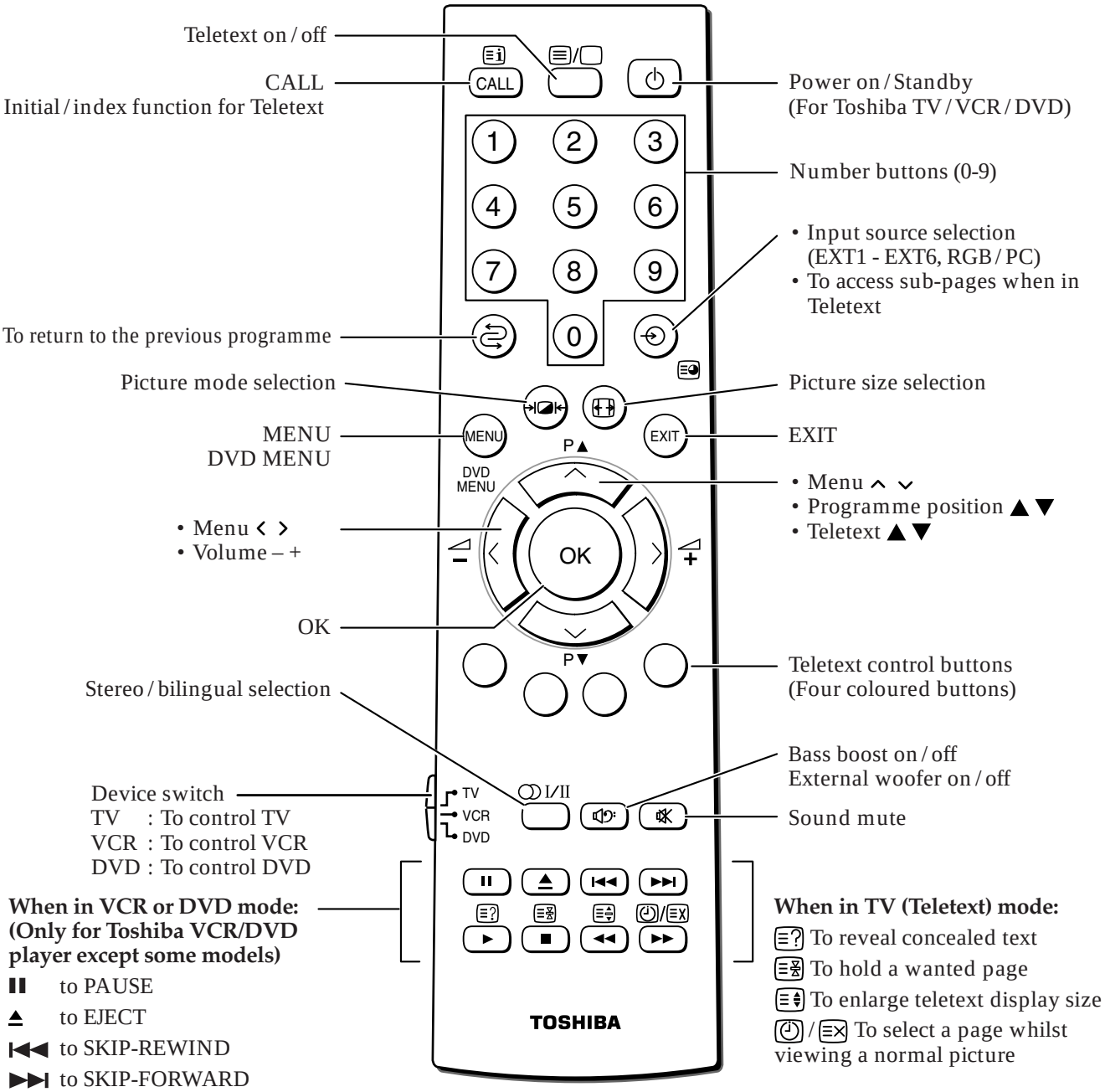


Back

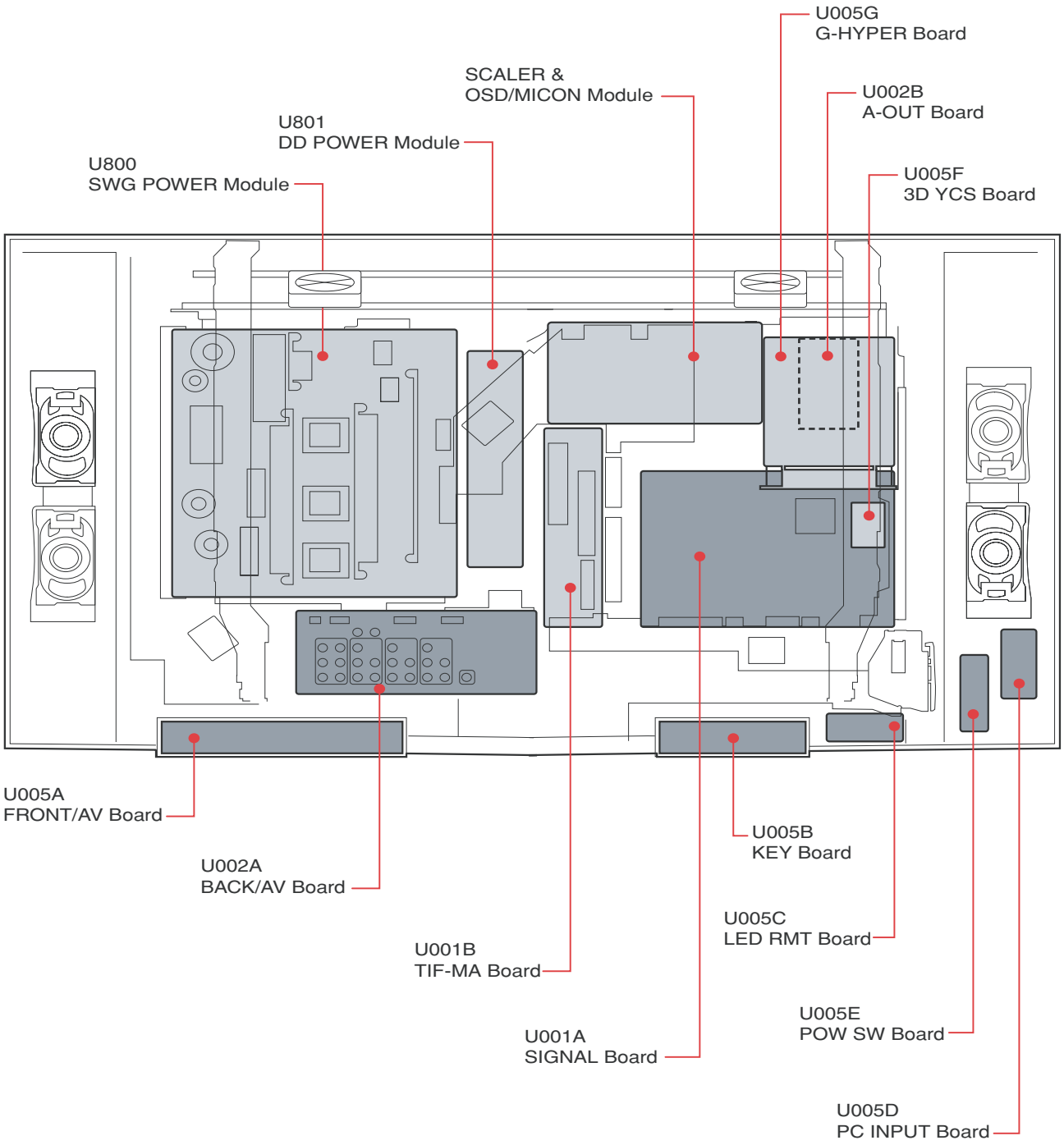

TOSHIBA
Side view
RGB/PC
AUDIO
RGB / PC IN
Audio input


EXT1 IN
(Component video / Composite video / Audio input)
WOOFER OUT
EXT2 IN
(Component video / Composite video / Audio input)
EXT3 IN
(S-video / Video / Audio input)
EXT4 IN / OUT
(Scart 4)
EXT5 IN / OUT
(Scart 5)
Aerial input
WOOFER OUT (Variable)
COMPONENT VIDEO INPUT
COMPONENT VIDEO INPUT
(S-VIDEO)
(3)
S-VIDEO
VIDEO
Y
PB/CB
PR/CR
L/MONO
AUDIO
L
R
(FIXED/VARIABLE)
(MONITOR)
(1)
(2)
(AUDIO/VIDEO)
(3)
(4)
(5)
AUDIO OUT
(Fixed / Variable)
MONITOR OUT
(Audio / Video output)
EXT3 IN / OUT
(Scart 3)
Back view

Remote Control



LAYOUT OF MAJOR BOARDS

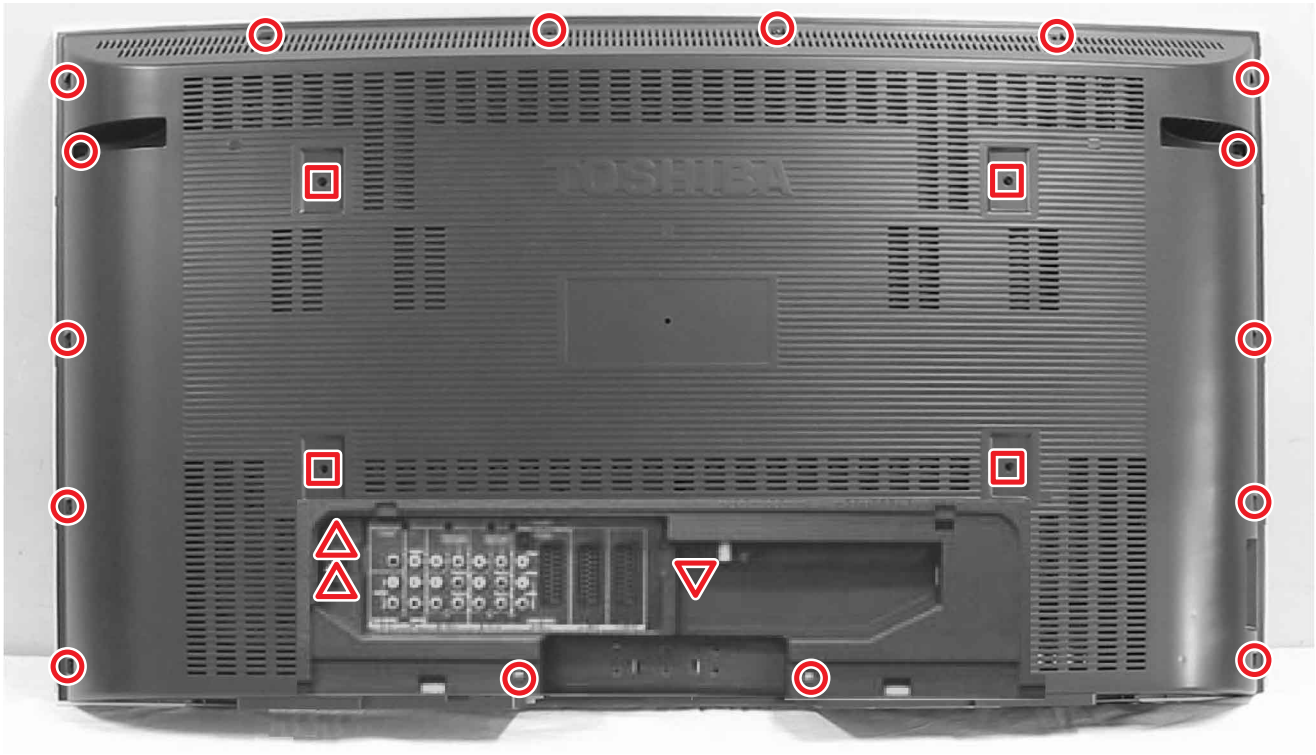


MECHANICAL DISASSEMBLY

■ Removing the rear cover

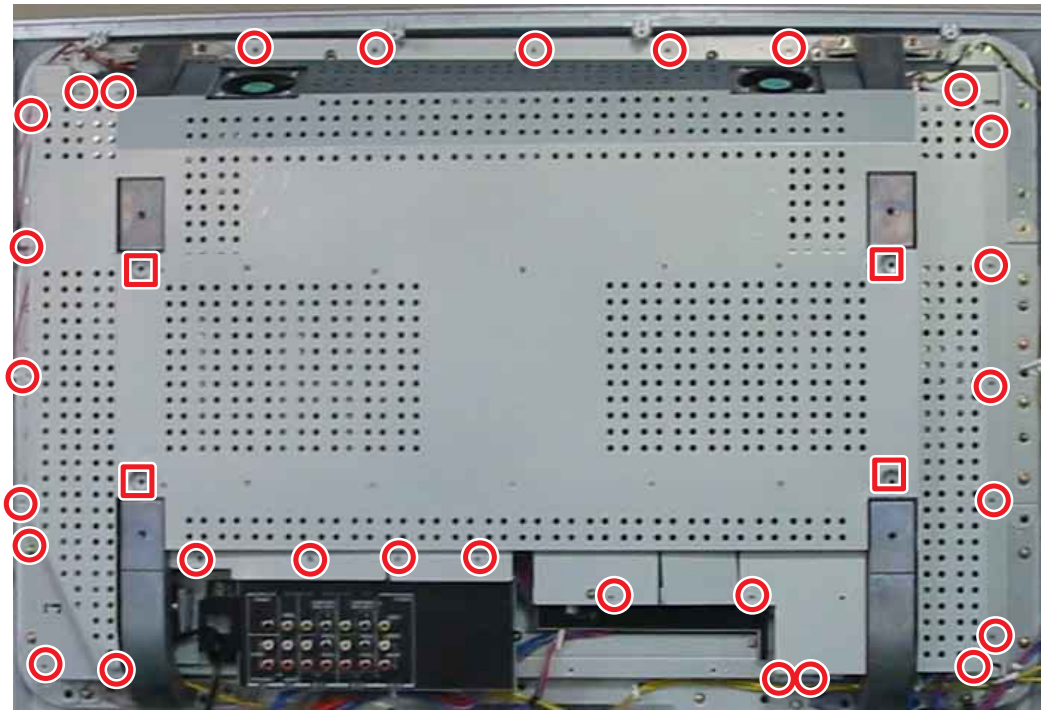
✲ Note: Be sure to lay down the main body (by placing its screen downward) for disassembling.

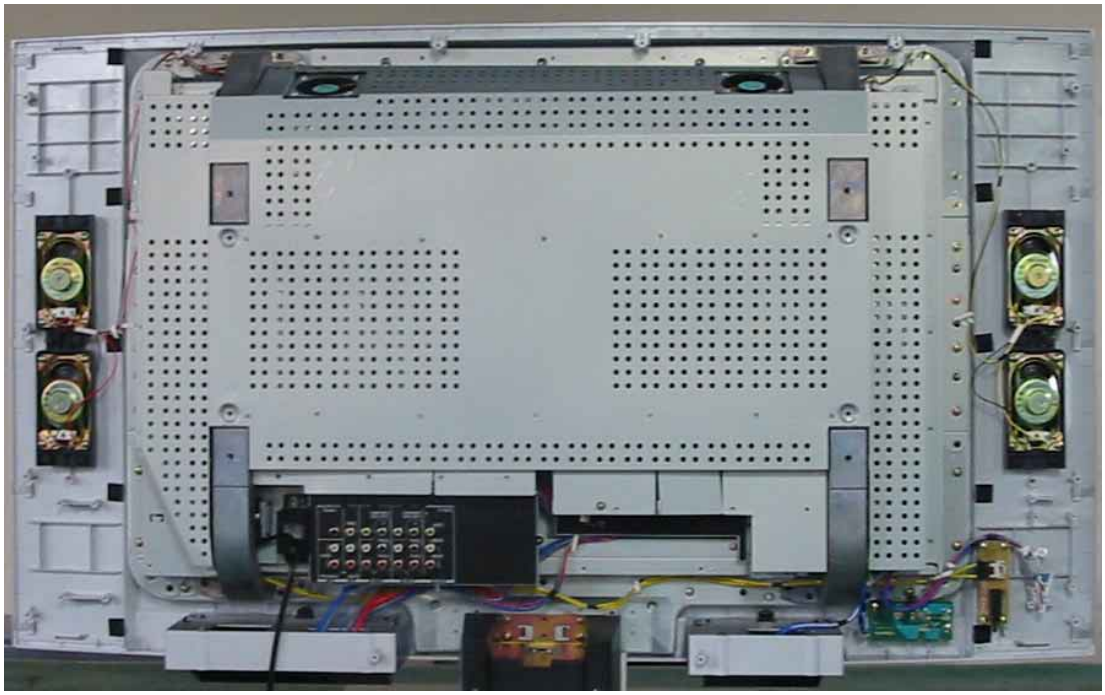
- Remove 16 screws (○: 4×12).
- Remove 4 screws (□: 6×16).
- Remove 2 screws (△: 3×12).
- Remove a screw (▽: 3×8).



■ Removing the brackets

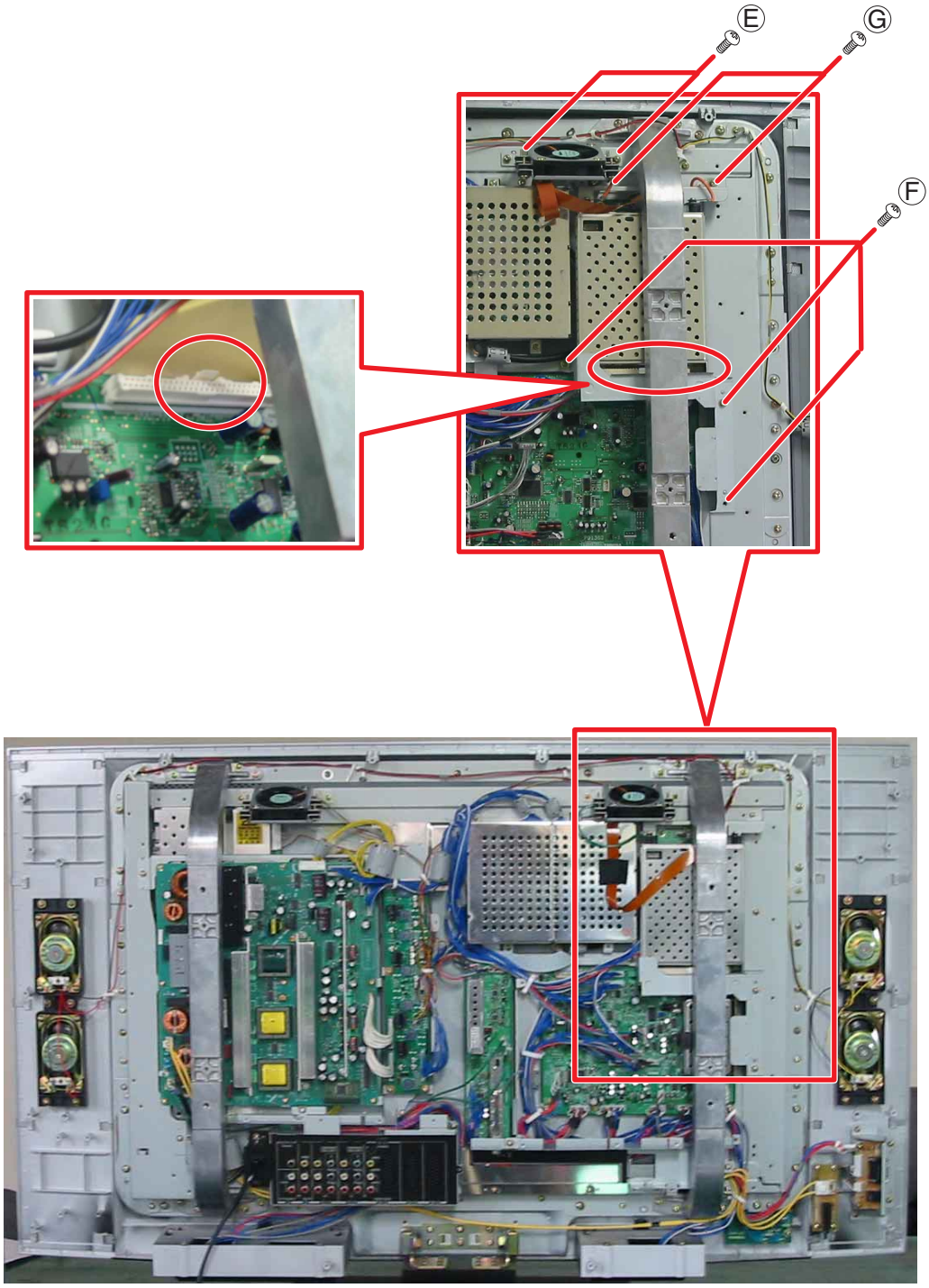
- Remove 29 screws (○: 3×5).
- Remove 4 screws (□: 4×12).



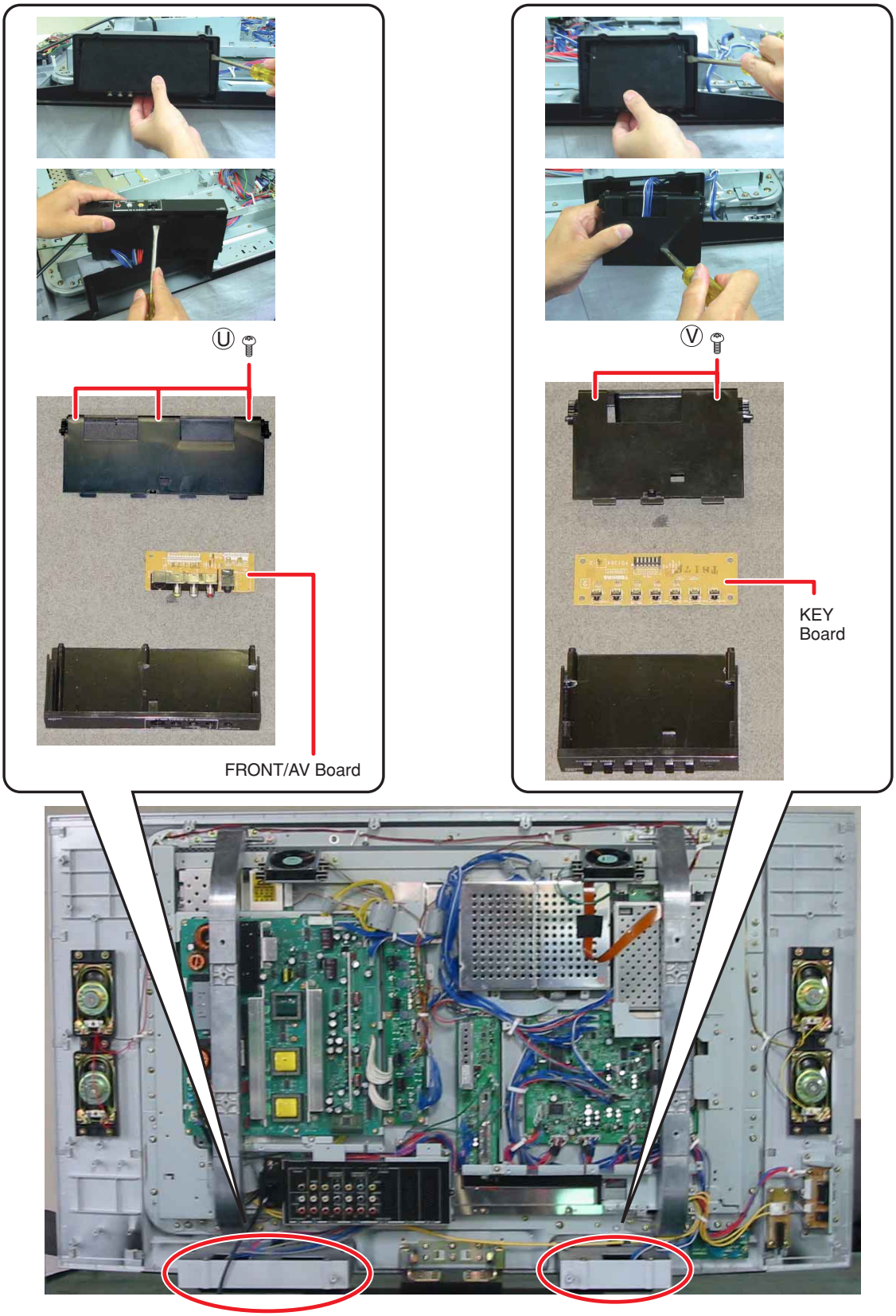


■ Removing the G-HYPER Module

- Remove the FAN. (2 screws Ⓔ)
- Remove the braket. (3 screws Ⓕ)
- Remove the 2 screws Ⓖ.

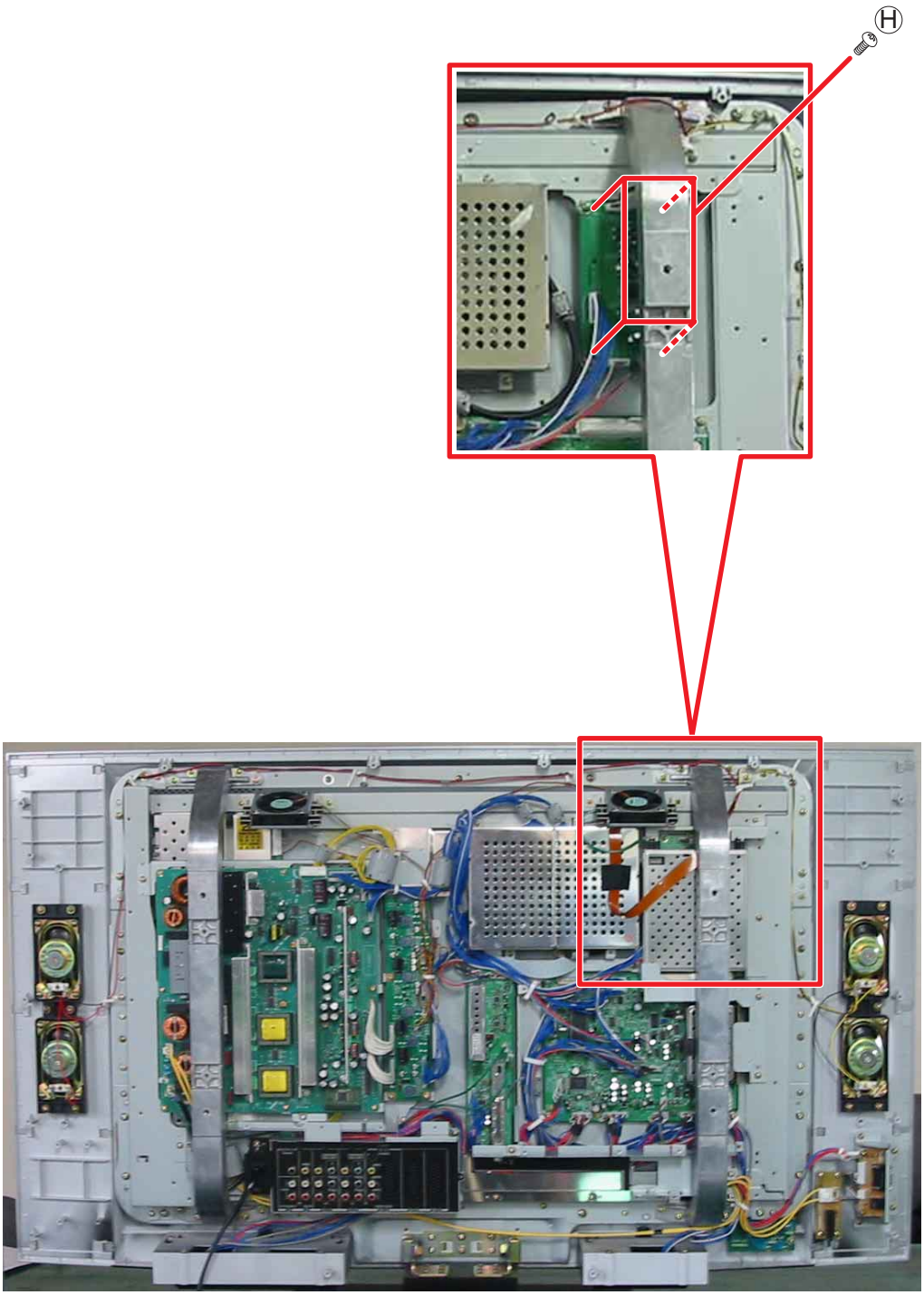


■ Removing the FRONT/AV board and KEY board



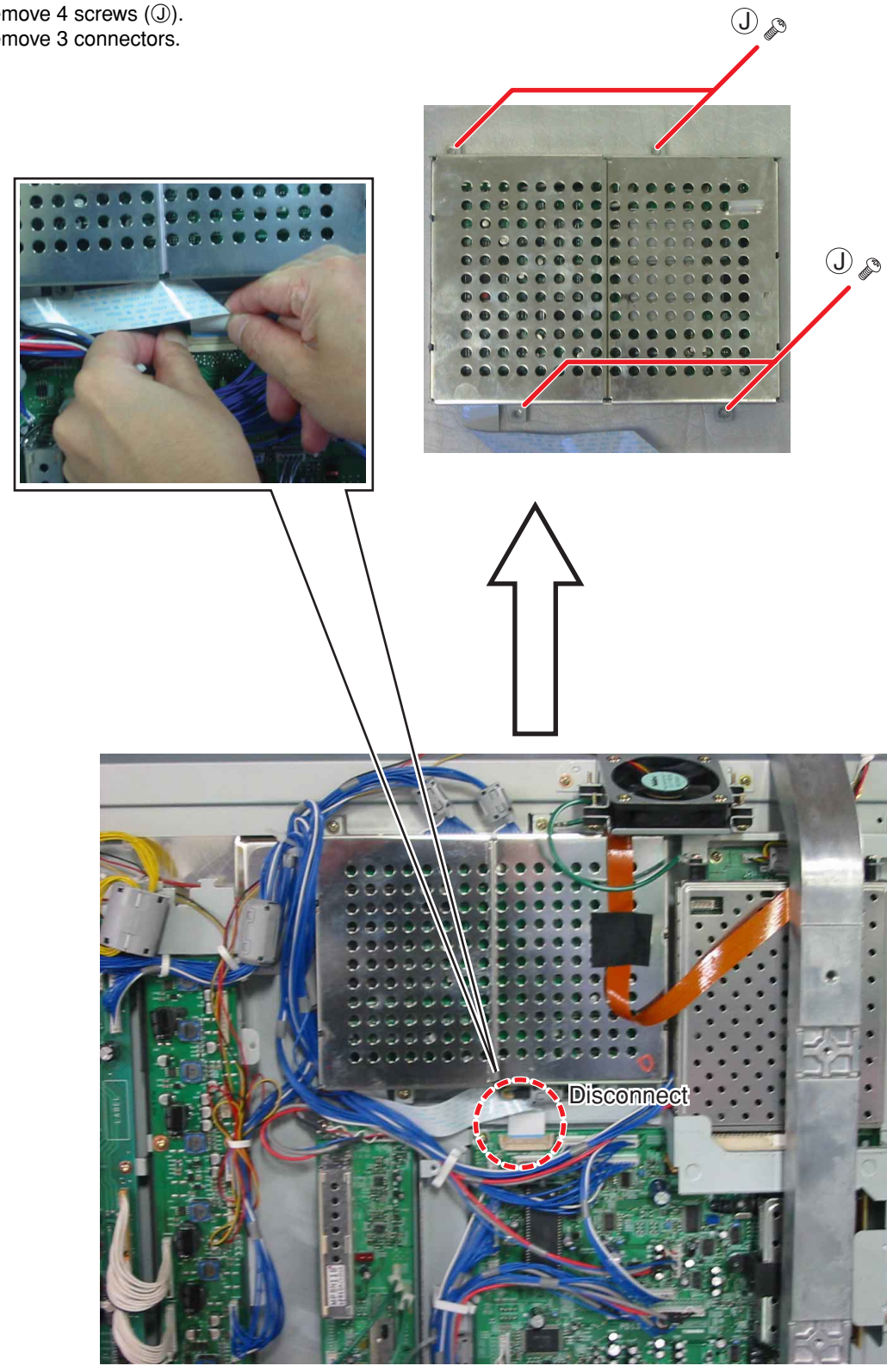
■ Removing the A-OUT board

• Remove 4 screws (Ⓗ).



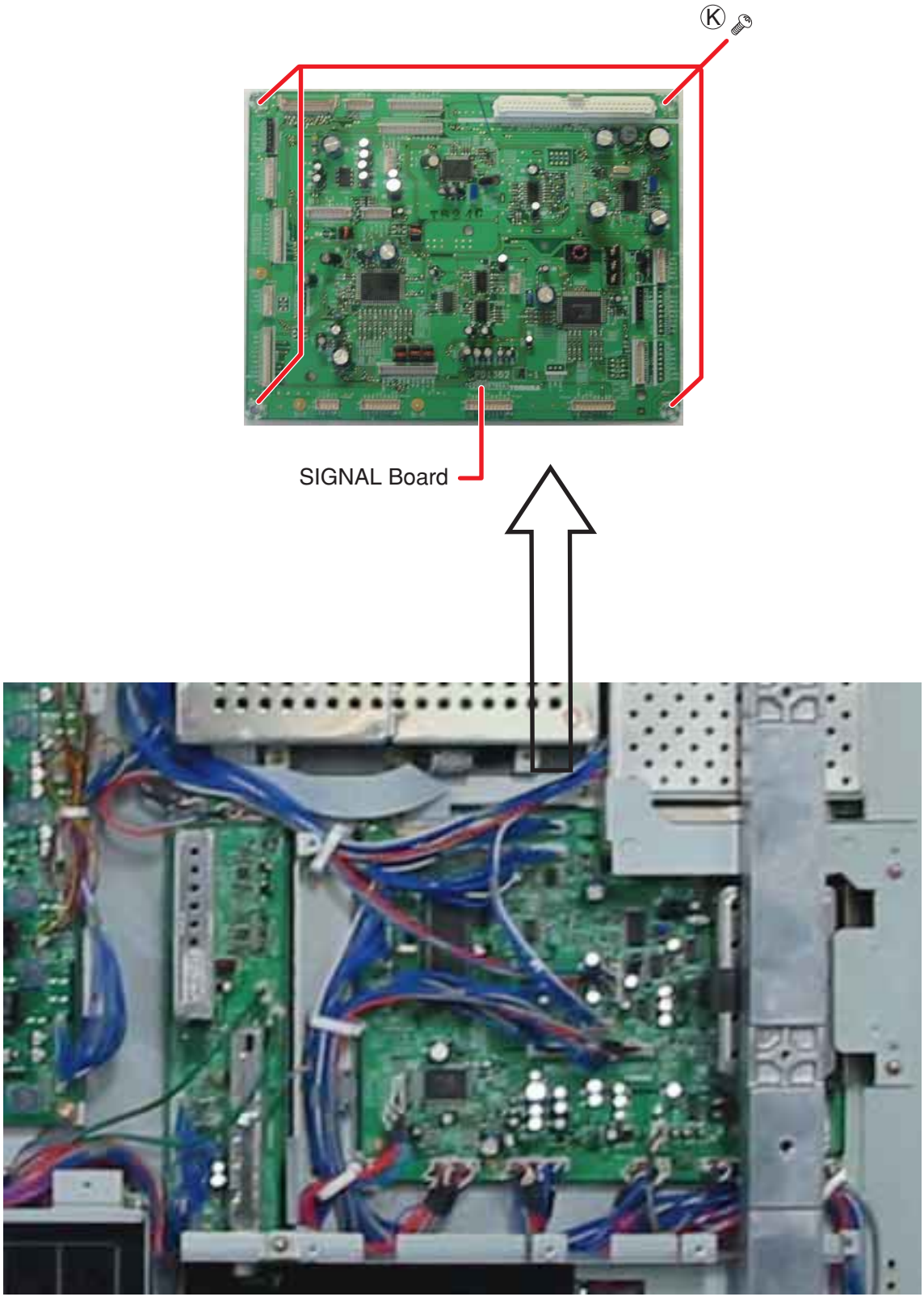
■ Removing the SCALER & OSD/MICON module

- Remove 4 screws (Ⓙ).
- Remove 3 connectors.



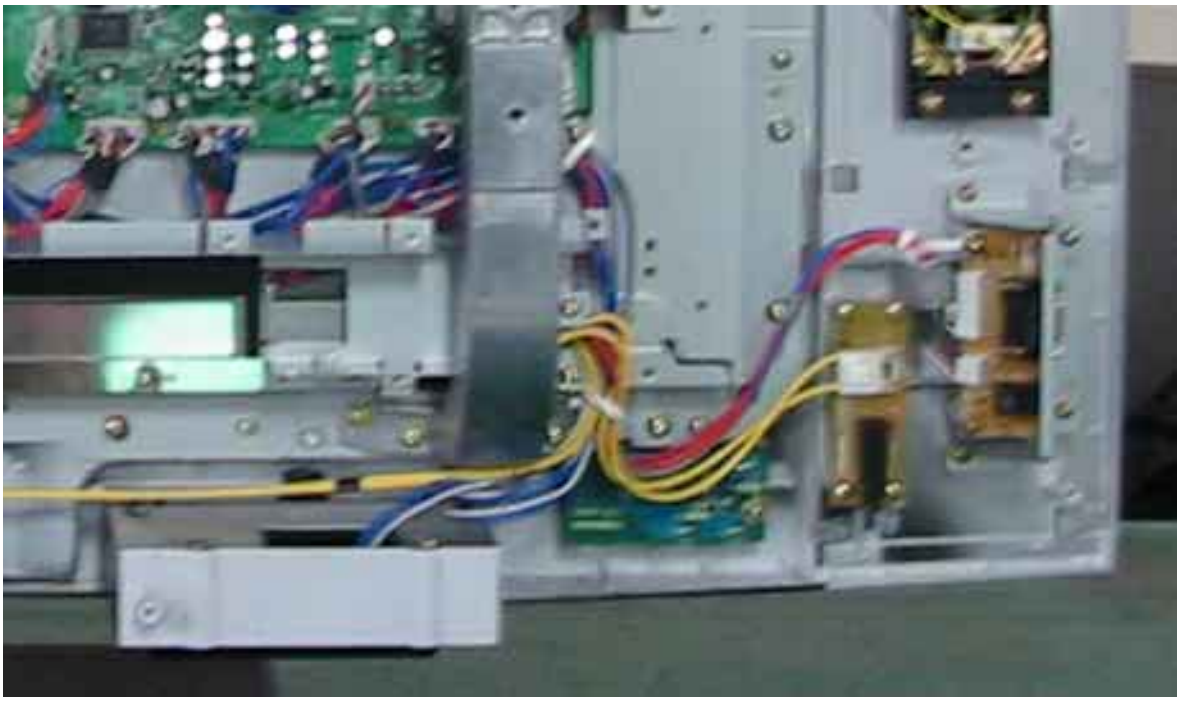
■ Removing the SIGNAL board

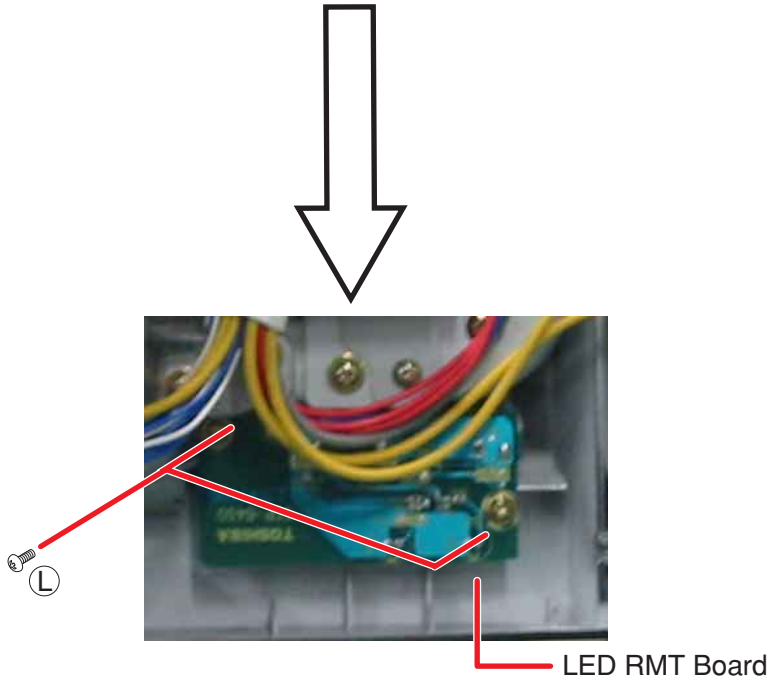
• Remove 4 screws (Ⓚ) on the SIGNAL board



■ Removing the IR/LED board

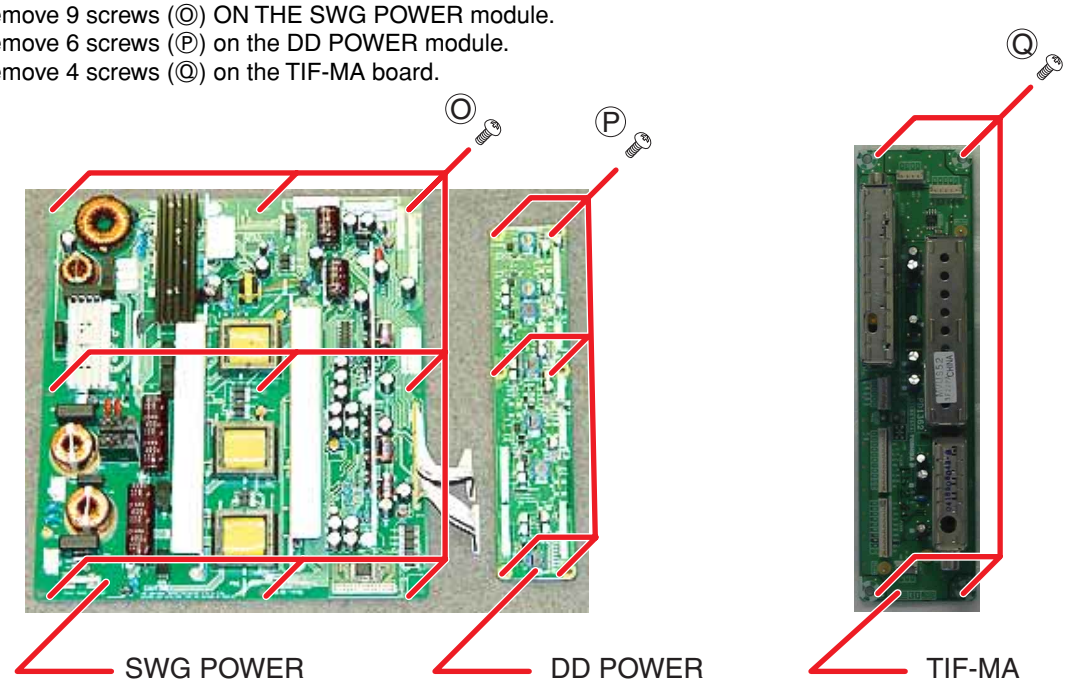
• Remove 2 screws (Ⓛ) on the the IR/LED board.

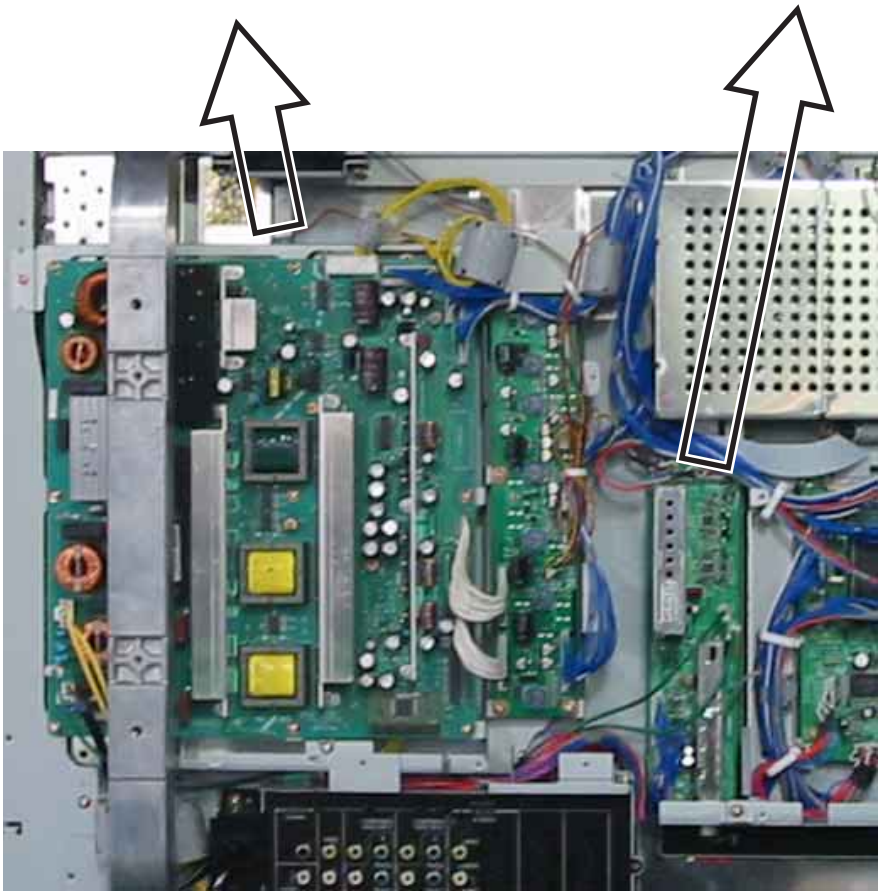




■ Removing the SWG POWER/DD POWER module & TIF-MA board

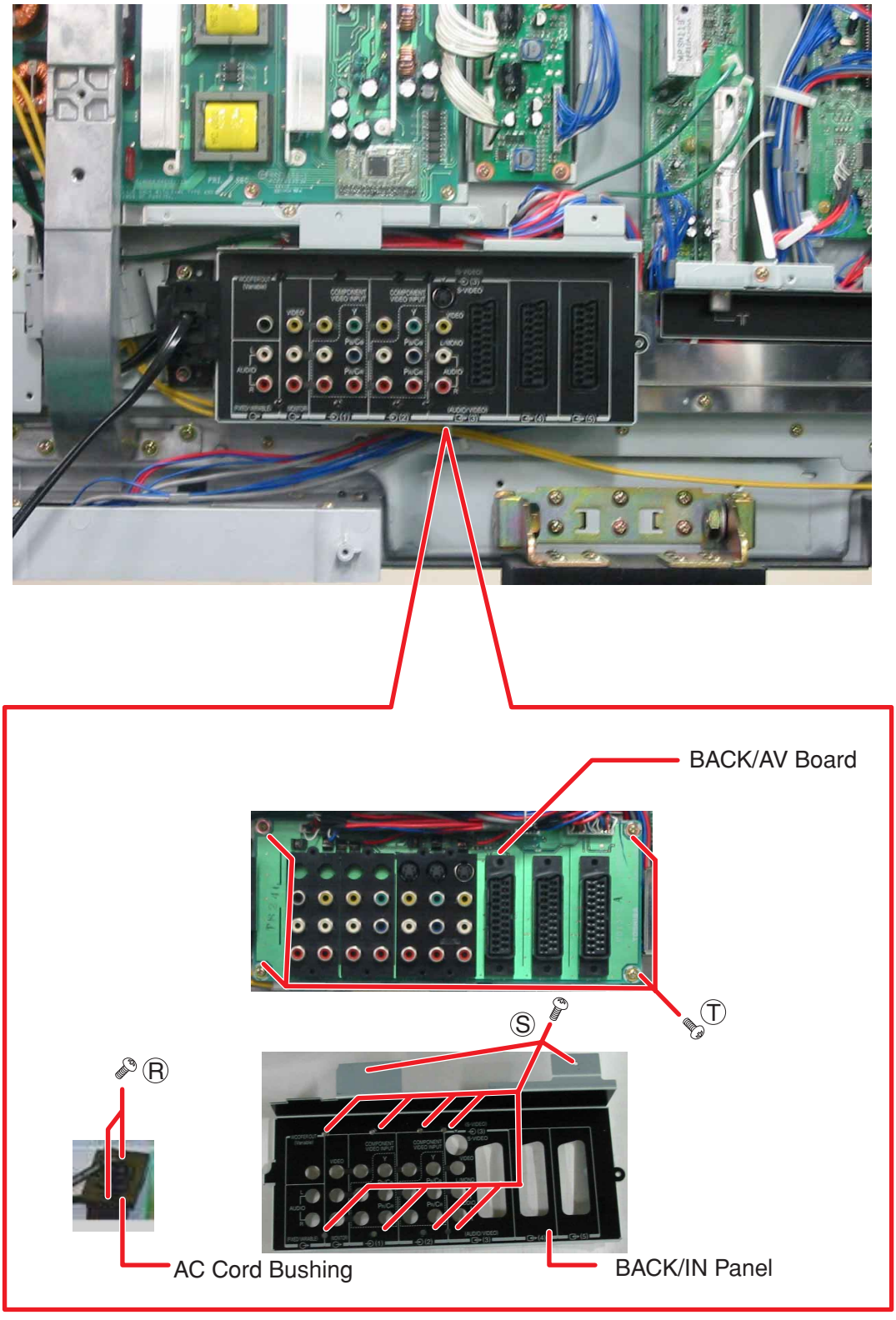
- Remove 9 screws (Ⓞ) ON THE SWG POWER module.
- Remove 6 screws (Ⓟ) on the DD POWER module.
- Remove 4 screws (Ⓠ) on the TIF-MA board.





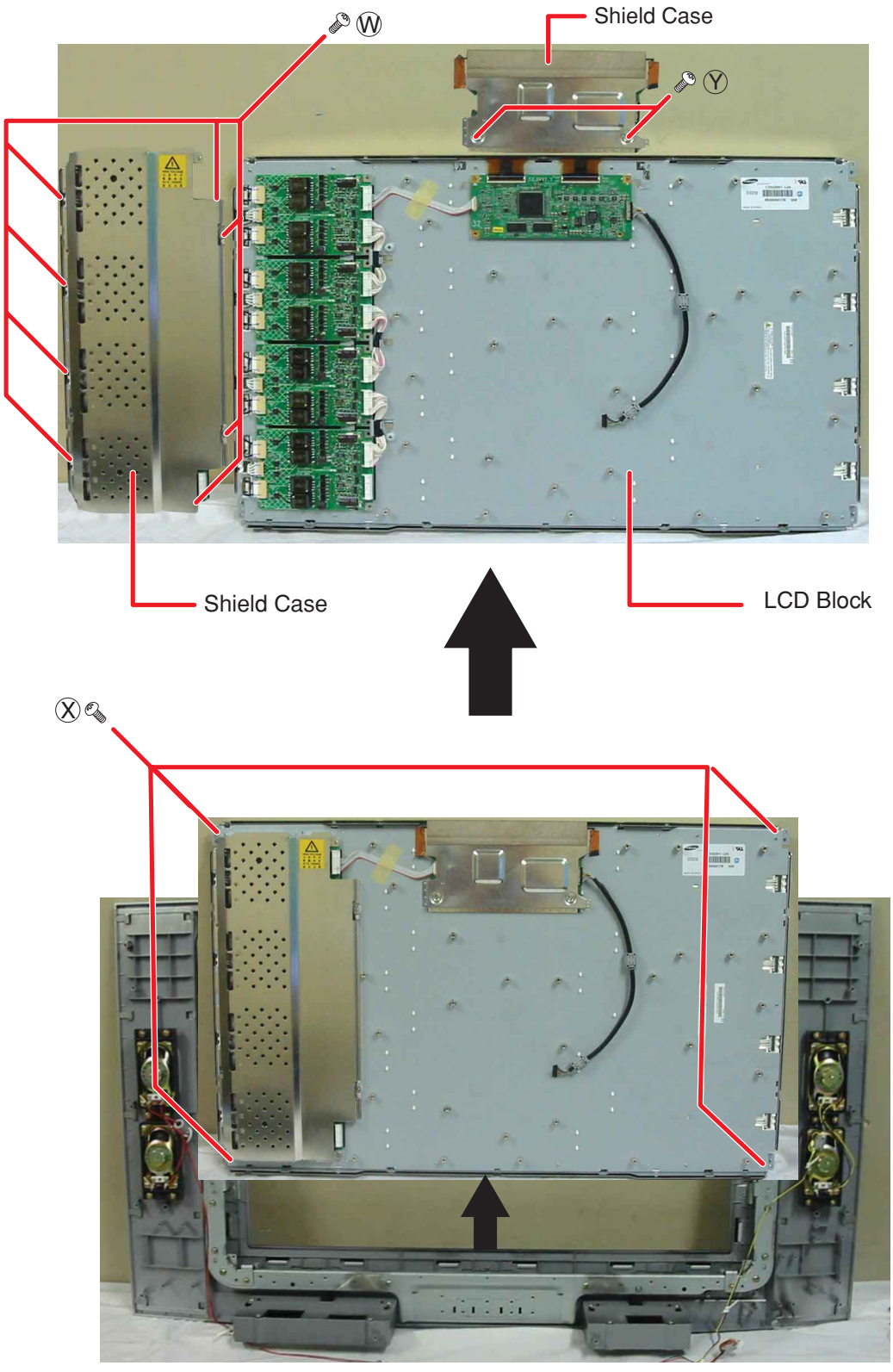
■ Removing the BACK/AV board

- Remove 2 screws (Ⓡ) fixing the AC cord bushing.
- Remove 10 screws (Ⓢ) on the BACK/AV panel.
- Remove 4 screws (Ⓣ) on the BACK/AV board.

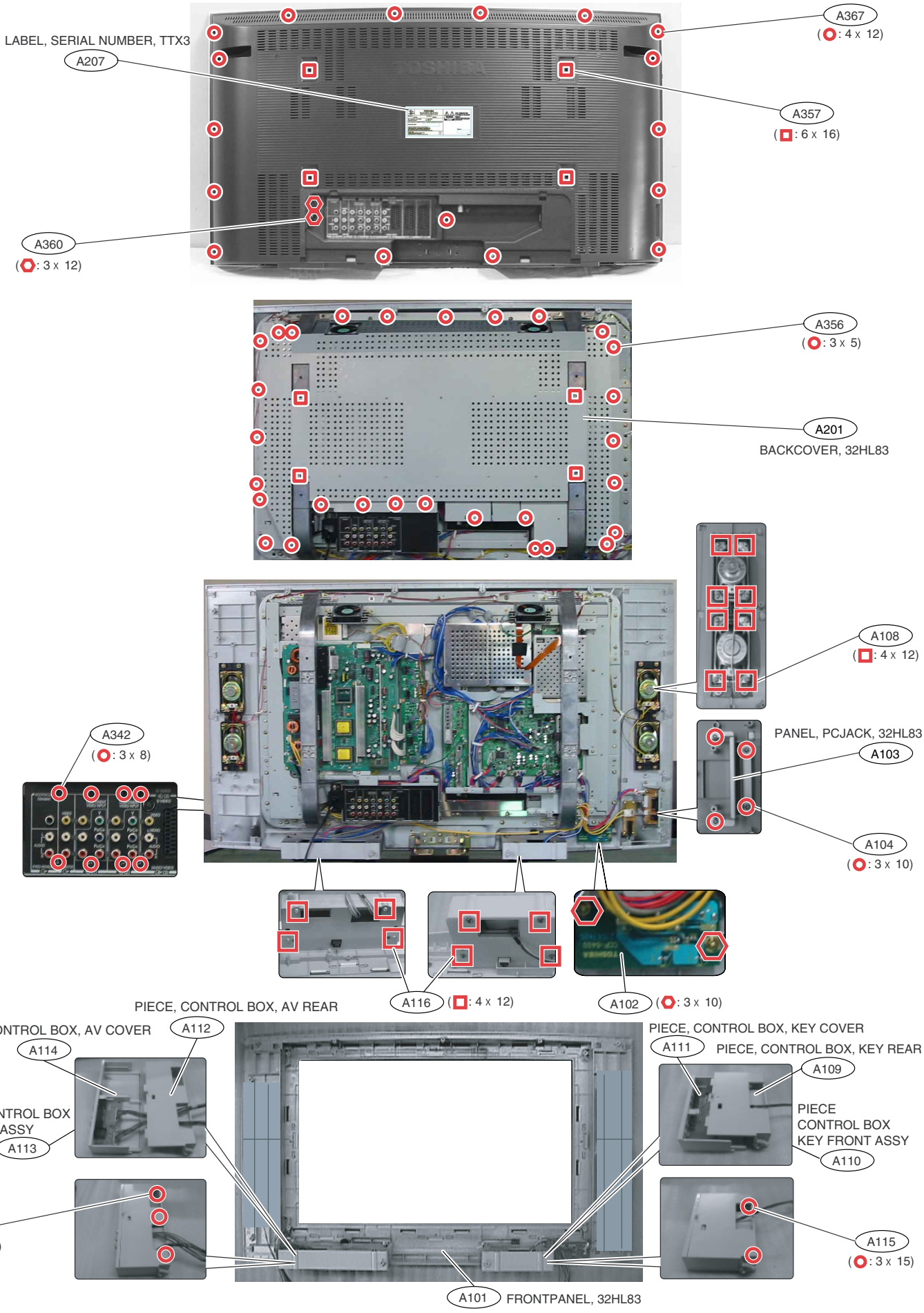


Removing the LCD block

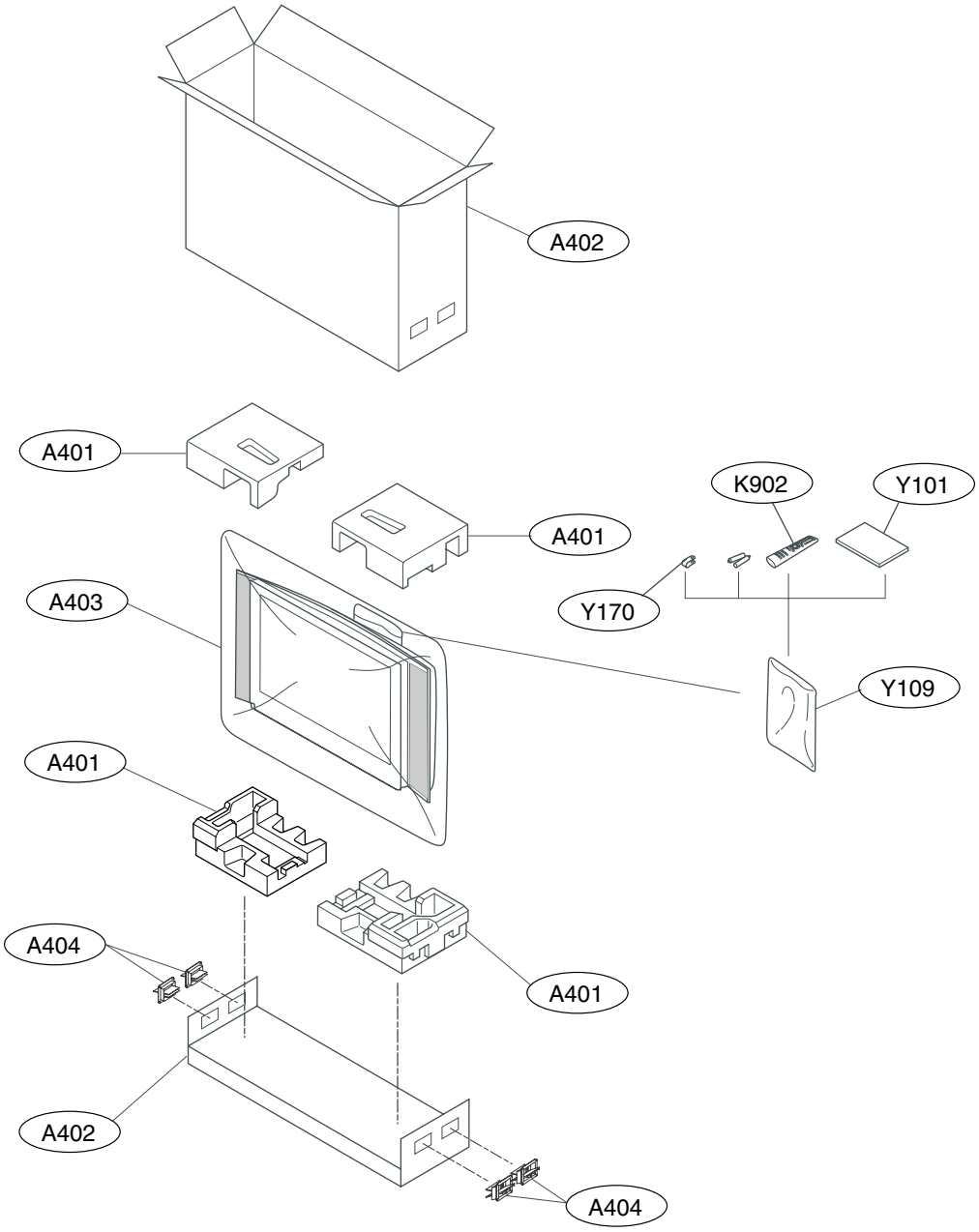
- Remove 4 screws (ⓧ).



EXPLODED VIEW



PACKING DISASSEMBLY



MEMO

CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE “X-RAY RADIATION PRECAUTION”, “SAFETY PRECAUTION” AND “PRODUCT SAFETY NOTICE” ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate com-ponents which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Model : 32WL36P

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Parts No.	Description
CAPACITORS		
C101	24109102	CERAMIC CHIP, 50V B 1000PF K
C102	24793221	ELECTROLYTIC, 10V 220UF M
C103	24109102	CERAMIC CHIP, 50V B 1000PF K
C104	24797479	ELECTROLYTIC, 50V 4.7UF M
C105	24763101	ELECTROLYTIC, 16V 100UF M
C106	24109102	CERAMIC CHIP, 50V B 1000PF K
C107	24109103	CERAMIC CHIP, 50V B 0.01UF K
C120	24591104	PLASTIC FILM, 50V 0.1UF J
C121	24763101	ELECTROLYTIC, 16V 100UF M
C150	24109103	CERAMIC CHIP, 50V B 0.01UF K
C151	24109103	CERAMIC CHIP, 50V B 0.01UF K
C152	24109103	CERAMIC CHIP, 50V B 0.01UF K
C160	24590224	PLASTIC FILM, 50V 0.22UF J
C271	24797229	ELECTROLYTIC, 50V 2.2UF M
C280	24794100	ELECTROLYTIC, 16V 10UF M
C281	24092616	CERAMIC CHIP, 16V B 0.33UF K
C282	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C283	24794100	ELECTROLYTIC, 16V 10UF M
C501	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C502	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C503	24794470	ELECTROLYTIC, 16V 47UF M
C504	24109103	CERAMIC CHIP, 50V B 0.01UF K
C505	24794470	ELECTROLYTIC, 16V 47UF M
C506	24109103	CERAMIC CHIP, 50V B 0.01UF K
C507	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C508	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C509	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C511	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C512	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C514	24794470	ELECTROLYTIC, 16V 47UF M
C516	24105110	CERAMIC CHIP, 50V CH 11PF J
C517	24206478	ELECTROLYTIC, 50V 0.47UF M 7L 3A
C519	24797479	ELECTROLYTIC, 50V 4.7UF M
C521	24092733	CERAMIC CHIP, 50V B 0.022UF K
C522	24109103	CERAMIC CHIP, 50V B 0.01UF K
C523	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C524	24109103	CERAMIC CHIP, 50V B 0.01UF K
C525	24503041	PLASTIC FILM , 63V 0.1UF J
C526	24109103	CERAMIC CHIP, 50V B 0.01UF K
C527	24797229	ELECTROLYTIC, 50V 2.2UF M
C575	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C576	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C577	24100104	CERAMIC CHIP, 25V F 0.1UF Z

Location No.	Parts No.	Description
C578	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C579	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C580	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C581	24794102	ELECTROLYTIC, 16V 1000UF M
C582	24109103	CERAMIC CHIP, 50V B 0.01UF K
C583	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C601	24092730	CERAMIC CHIP, 16V B 0.1UF K
C602	24109331	CERAMIC CHIP, 50V B 330PF K
C603	24092730	CERAMIC CHIP, 16V B 0.1UF K
C604	24092611	CERAMIC CHIP, 6.3V B 2.2UF K
C605	24109102	CERAMIC CHIP, 50V B 1000PF K
C606	24109102	CERAMIC CHIP, 50V B 1000PF K
C608	24092730	CERAMIC CHIP, 16V B 0.1UF K
C609	24591102	PLASTIC FILM, 50V 1000PF J
C610	24797010	ELECTROLYTIC, 50V 1UF M
C611	24092730	CERAMIC CHIP, 16V B 0.1UF K
C612	24761102	ELECTROLYTIC CE04G, 6.3V 1000UF M
C613	24797010	ELECTROLYTIC, 50V 1UF M
C614	24092730	CERAMIC CHIP, 16V B 0.1UF K
C615	24763101	ELECTROLYTIC, 16V 100UF M
C620	24092463	CERAMIC CHIP, 16V B 0.22UF K
C621	24092730	CERAMIC CHIP, 16V B 0.1UF K
C622	24092463	CERAMIC CHIP, 16V B 0.22UF K
C623	24092463	CERAMIC CHIP, 16V B 0.22UF K
C624	24092730	CERAMIC CHIP, 16V B 0.1UF K
C625	24092463	CERAMIC CHIP, 16V B 0.22UF K
C627	24092730	CERAMIC CHIP, 16V B 0.1UF K
C629	24797010	ELECTROLYTIC, 50V 1UF M
C630	24092730	CERAMIC CHIP, 16V B 0.1UF K
C635	24763221	ELECTROLYTIC, 16V 220UF M
C636	24763221	ELECTROLYTIC, 16V 220UF M
C640	24794102	ELECTROLYTIC, 16V 1000UF M
C641	24794470	ELECTROLYTIC, 16V 47UF M
C642	24794470	ELECTROLYTIC, 16V 47UF M
C645	24815103	CERAMIC CHIP, 50V B 10000PF K
C646	24092738	CERAMIC CHIP, 25V B 0.47UF K
C647	24092738	CERAMIC CHIP, 25V B 0.47UF K
C648	24285104	CERAMIC CHIP, 50V B 0.1UF K
C649	24285104	CERAMIC CHIP, 50V B 0.1UF K
C650	24591102	PLASTIC FILM, 50V 1000PF J
C653	24797010	ELECTROLYTIC, 50V 1UF M
C661	24109102	CERAMIC CHIP, 50V B 1000PF K
C662	24109102	CERAMIC CHIP, 50V B 1000PF K
C663	24794100	ELECTROLYTIC, 16V 10UF M

Location No.	Parts No.	Description
C664	24794100	ELECTROLYTIC, 16V 10UF M
C665	24797229	ELECTROLYTIC, 50V 2.2UF M
C666	24797229	ELECTROLYTIC, 50V 2.2UF M
C667	24797479	ELECTROLYTIC, 50V 4.7UF M
C668	24797479	ELECTROLYTIC, 50V 4.7UF M
C669	24105221	CERAMIC CHIP, 50V CH 220PF J
C672	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C673	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C677	24109681	CERAMIC CHIP, 50V B 680PF K
C678	24109681	CERAMIC CHIP, 50V B 680PF K
C679	24105221	CERAMIC CHIP, 50V CH 220PF J
C4222	24092538	CERAMIC CHIP, 10V F 1UF Z
C4310	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C4311	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C4312	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C4313	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C4406	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4407	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4408	24092538	CERAMIC CHIP, 10V F 1UF Z
C4409	24794331	ELECTROLYTIC, 16V 330UF M
C4410	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA01	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA02	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA03	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24105180	CERAMIC CHIP, 50V CH 18PF J @U001A
CA04	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24105180	CERAMIC CHIP, 50V CH 18PF J @U001A
CA05	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA06	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA07	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA08	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA09	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA10	24619100	ELECTROLYTIC, 16V 10UF M
CA11	24619100	ELECTROLYTIC, 16V 10UF M
CA12	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CA13	24105101	CERAMIC CHIP, 50V CH 100PF J @U001A
	24105330	CERAMIC CHIP, 50V CH 33PF J @U003
CA14	24105101	CERAMIC CHIP, 50V CH 100PF J @U001A
	24105330	CERAMIC CHIP, 50V CH 33PF J @U003
CA15	24105330	CERAMIC CHIP, 50V CH 33PF J @U003
	24793470	ELECTROLYTIC CE04G 10V 47UF M @U001A
CA16	24105330	CERAMIC CHIP, 50V CH 33PF J
CA17	24105330	CERAMIC CHIP, 50V CH 33PF J
CA18	24105330	CERAMIC CHIP, 50V CH 33PF J
CA19	24105330	CERAMIC CHIP, 50V CH 33PF J
CA20	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA21	24109102	CERAMIC CHIP, 50V B 1000PF K
CA22	24105330	CERAMIC CHIP, 50V CH 33PF J
CA23	24105330	CERAMIC CHIP, 50V CH 33PF J
CA24	24105330	CERAMIC CHIP, 50V CH 33PF J
CA25	24105330	CERAMIC CHIP, 50V CH 33PF J
CA26	24105330	CERAMIC CHIP, 50V CH 33PF J
CA27	24105330	CERAMIC CHIP, 50V CH 33PF J
CA28	24105330	CERAMIC CHIP, 50V CH 33PF J
CA29	24105330	CERAMIC CHIP, 50V CH 33PF J
CA30	24105330	CERAMIC CHIP, 50V CH 33PF J
CA31	24105330	CERAMIC CHIP, 50V CH 33PF J
CA32	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA33	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA34	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24109102	CERAMIC CHIP, 50V B 1000PF K @U001A
CA35	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA41	24105330	CERAMIC CHIP, 50V CH 33PF J
CA42	24105330	CERAMIC CHIP, 50V CH 33PF J @U003
	24794101	ELECTROLYTIC, 16V 100UF M @U001A
CA43	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA44	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA45	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA55	24105330	CERAMIC CHIP, 50V CH 33PF J

Location No.	Parts No.	Description
CA57	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA58	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CA59	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CA60	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CA61	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CA62	24619170	CHIP16V100UF 1C101P
CA63	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA64	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CA65	24619170	CHIP16V100UF 1C101P
CA68	24794100	ELECTROLYTIC, 16V 10UF M
CA69	24100103	CERAMIC CHIP, 50V F 0.01UF Z
CA70	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA71	24109102	CERAMIC CHIP, 50V B 1000PF K
CA72	24109102	CERAMIC CHIP, 50V B 1000PF K
CA73	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA74	24109102	CERAMIC CHIP, 50V B 1000PF K
CA75	24109102	CERAMIC CHIP, 50V B 1000PF K
CA76	24109102	CERAMIC CHIP, 50V B 1000PF K
CB01	24794470	ELECTROLYTIC, 16V 47UF M
CB04	24092538	CERAMIC CHIP, 10V F 1UF Z
CB05	24109222	CERAMIC CHIP, 50V B 2200PF K
CB06	24105561	CERAMIC CHIP, 50V CH 560PF J
CB07	24109332	CERAMIC CHIP, 50V B 3300PF K
CB40	24092538	CERAMIC CHIP, 10V F 1UF Z
CB41	24109222	CERAMIC CHIP, 50V B 2200PF K
CB42	24105561	CERAMIC CHIP, 50V CH 560PF J
CB43	24109332	CERAMIC CHIP, 50V B 3300PF K
CB90	24100103	CERAMIC CHIP, 50V F 0.01UF Z
CC01	24109103	CERAMIC CHIP, 50V B 0.01UF K
CC02	24105220	CERAMIC CHIP, 50V CH 22PF J
CC04	24105220	CERAMIC CHIP, 50V CH 22PF J
CC08	24109103	CERAMIC CHIP, 50V B 0.01UF K
CC11	24109102	CERAMIC CHIP, 50V B 1000PF K
CC12	24109102	CERAMIC CHIP, 50V B 1000PF K
CC20	24105220	CERAMIC CHIP, 50V CH 22PF J
CC21	24109102	CERAMIC CHIP, 50V B 1000PF K
CC24	24109103	CERAMIC CHIP, 50V B 0.01UF K
CC25	24109103	CERAMIC CHIP, 50V B 0.01UF K
CC31	24109102	CERAMIC CHIP, 50V B 1000PF K
CC40	24109102	CERAMIC CHIP, 50V B 1000PF K
CC41	24109102	CERAMIC CHIP, 50V B 1000PF K
CC59	24109102	CERAMIC CHIP, 50V B 1000PF K
CC60	24109223	CERAMIC CHIP, 25V B 0.022UF K
CC61	24109223	CERAMIC CHIP, 25V B 0.022UF K
CC62	24109102	CERAMIC CHIP, 50V B 1000PF K
CC63	24109102	CERAMIC CHIP, 50V B 1000PF K
CC64	24109102	CERAMIC CHIP, 50V B 1000PF K
CC65	24109102	CERAMIC CHIP, 50V B 1000PF K
CC66	24109102	CERAMIC CHIP, 50V B 1000PF K
CC67	24109102	CERAMIC CHIP, 50V B 1000PF K
CC68	24109102	CERAMIC CHIP, 50V B 1000PF K
CC69	24109102	CERAMIC CHIP, 50V B 1000PF K
CC70	24109102	CERAMIC CHIP, 50V B 1000PF K
CC71	24109102	CERAMIC CHIP, 50V B 1000PF K
CC72	24109102	CERAMIC CHIP, 50V B 1000PF K
CC73	24109102	CERAMIC CHIP, 50V B 1000PF K
CC74	24109102	CERAMIC CHIP, 50V B 1000PF K
CC75	24109102	CERAMIC CHIP, 50V B 1000PF K
CC76	24109102	CERAMIC CHIP, 50V B 1000PF K
CC77	24109102	CERAMIC CHIP, 50V B 1000PF K
CC78	24109102	CERAMIC CHIP, 50V B 1000PF K
CC79	24109102	CERAMIC CHIP, 50V B 1000PF K
CC80	24109102	CERAMIC CHIP, 50V B 1000PF K
CC81	24109102	CERAMIC CHIP, 50V B 1000PF K
CC82	24109102	CERAMIC CHIP, 50V B 1000PF K
CD01	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CD03	24109332	CERAMIC CHIP, 50V B 3300PF K
CD05	24109333	CERAMIC CHIP CK73B 25V 33000PFK
CD10	24092542	CERAMIC CHIP CK733 B 16V 1.0UF K

Location No.	Parts No.	Description
CD12	24092542	CERAMIC CHIP CK733 B 16V 1.0UF K
CD13	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CD14	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CD15	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CD16	24109333	CERAMIC CHIP CK73B 25V 33000PFK
CD18	24109332	CERAMIC CHIP, 50V B 3300PF K
CD20	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CE01	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE03	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE05	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE06	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE07	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE12	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE13	24105101	CERAMIC CHIP, 50V CH 100PF J
CE17	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CE18	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE19	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE20	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE21	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE22	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE23	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE25	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE26	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE27	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE28	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE29	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE30	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE31	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE32	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE33	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE34	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE35	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE36	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE37	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE41	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE42	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CE43	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE44	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE45	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE46	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE47	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CE48	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CE49	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF01	24619218	16V100UF EEVFK1C101P
CF02	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF03	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF05	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF08	24092538	CERAMIC CHIP, 10V F 1UF Z
CF09	24109102	CERAMIC CHIP, 50V B 1000PF K
CF10	24092538	CERAMIC CHIP, 10V F 1UF Z
CF11	24109102	CERAMIC CHIP, 50V B 1000PF K
CF12	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF13	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF14	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF15	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF17	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF18	24092538	CERAMIC CHIP, 10V F 1UF Z
CF19	24109102	CERAMIC CHIP, 50V B 1000PF K
CF20	24105220	CERAMIC CHIP, 50V CH 22PF J
CF21	24105220	CERAMIC CHIP, 50V CH 22PF J
CF22	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF23	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF25	24092538	CERAMIC CHIP, 10V F 1UF Z
CF26	24109102	CERAMIC CHIP, 50V B 1000PF K
CF27	24100104	CERAMIC CHIP, 25V F 0.1UF Z

Location No.	Parts No.	Description
CF28	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF29	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF30	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF31	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF32	24619213	16V10UF EEVFK1C100R
CF33	24105330	CERAMIC CHIP, 50V CH 33PF J
CF34	24092538	CERAMIC CHIP, 10V F 1UF Z
CF38	24619213	16V10UF EEVFK1C100R
CF39	24109103	CERAMIC CHIP, 50V B 0.01UF K
CF40	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF41	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF42	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF43	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF44	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF45	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF46	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF48	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF50	24619213	16V10UF EEVFK1C100R
CF51	24109102	CERAMIC CHIP, 50V B 1000PF K
CF52	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CF55	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM01	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM02	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM03	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM05	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CM06	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CM07	24619103	ELECTROLYTIC, 25V 4.7UF M
CM08	24619103	ELECTROLYTIC, 25V 4.7UF M
CR32	24109103	CERAMIC CHIP, 50V B 0.01UF K
CR33	24109103	CERAMIC CHIP, 50V B 0.01UF K
CR34	24109103	CERAMIC CHIP, 50V B 0.01UF K
CR56	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR57	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR58	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR59	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR60	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR61	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR62	24092538	CERAMIC CHIP, 10V F 1UF Z
CR63	24092538	CERAMIC CHIP, 10V F 1UF Z
CR64	24092538	CERAMIC CHIP, 10V F 1UF Z
CR65	24109103	CERAMIC CHIP, 50V B 0.01UF K
CR66	24088135	OSCON 16V 39UF 16SVP39M
CR67	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR68	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR69	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR78	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR79	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR80	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR81	24619102	ELECTROLYTIC, 16V 47UF M
CR90	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR91	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CR92	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CS01	24092538	CERAMIC CHIP, 10V F 1UF Z
CS02	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS03	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS04	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS05	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS06	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS07	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS08	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS09	24092538	CERAMIC CHIP, 10V F 1UF Z @U001A

Location No.	Parts No.	Description
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
CS10	24092538	CERAMIC CHIP, 10V F 1UF Z
CS11	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24794100	ELECTROLYTIC, 16V 10UF M @U001A
CS12	24794100	ELECTROLYTIC, 16V 10UF M
CS13	24797010	ELECTROLYTIC, 50V 1UF M
CS14	24797010	ELECTROLYTIC, 50V 1UF M
CS15	24092538	CERAMIC CHIP, 10V F 1UF Z
CS16	24092538	CERAMIC CHIP, 10V F 1UF Z
CS18	24794100	ELECTROLYTIC, 16V 10UF M
CS19	24794100	ELECTROLYTIC, 16V 10UF M
CS20	24797478	ELECTROLYTIC, 50V 0.47UF M
CS24	24092538	CERAMIC CHIP, 10V F 1UF Z
CS25	24092538	CERAMIC CHIP, 10V F 1UF Z
CS26	24794100	ELECTROLYTIC, 16V 10UF M
CS27	24797479	ELECTROLYTIC, 50V 4.7UF M
CS28	24797479	ELECTROLYTIC, 50V 4.7UF M
CS29	24797479	ELECTROLYTIC, 50V 4.7UF M
CS30	24797479	ELECTROLYTIC, 50V 4.7UF M
CS33	24763221	ELECTROLYTIC, 16V 220UF M
CS37	24797010	ELECTROLYTIC, 50V 1UF M
CS38	24797010	ELECTROLYTIC, 50V 1UF M
CS39	24092573	CERAMIC CHIP, 16V B 0.47UF K
CS40	24202101	ELECTROLYTIC, 10V 100UF M 7L 3A
CS43	24206229	ELECTROLYTIC, 50V 2.2UF M 7L 3A
CS44	24206229	ELECTROLYTIC, 50V 2.2UF M 7L 3A
CS45	24206229	ELECTROLYTIC, 50V 2.2UF M 7L 3A
CS46	24206229	ELECTROLYTIC, 50V 2.2UF M 7L 3A
CS51	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CS63	24794100	ELECTROLYTIC, 16V 10UF M
CS64	24797010	ELECTROLYTIC, 50V 1UF M
CS65	24797010	ELECTROLYTIC, 50V 1UF M
CS501	24092731	CERAMIC CHIP, 16V B 1UF K
CS502	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CS503	24092731	CERAMIC CHIP, 16V B 1UF K
CS504	24105101	CERAMIC CHIP, 50V CH 100PF J
CS505	24105101	CERAMIC CHIP, 50V CH 100PF J
CS506	24092726	CERAMIC CHIP CK733B 16V 2,200,000PFK
CS507	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
CS508	24206229	ELECTROLYTIC, 50V 2.2UF M 7L 3A
CS509	24092542	CERAMIC CHIP CK733 B 16V 1.0UF K
CS510	24092542	CERAMIC CHIP CK733 B 16V 1.0UF K
CS511	24105101	CERAMIC CHIP, 50V CH 100PF J
CS512	24105101	CERAMIC CHIP, 50V CH 100PF J
CV02	24092538	CERAMIC CHIP, 10V F 1UF Z
CV03	24092538	CERAMIC CHIP, 10V F 1UF Z
CV04	24092538	CERAMIC CHIP, 10V F 1UF Z
CV06	24092538	CERAMIC CHIP, 10V F 1UF Z
CV07	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV08	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV09	24092538	CERAMIC CHIP, 10V F 1UF Z
CV10	24794100	ELECTROLYTIC, 16V 10UF M
CV11	24794100	ELECTROLYTIC, 16V 10UF M
CV12	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV13	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV14	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV15	24092743	CERAMIC CHIP, 10V F 0.47UF Z
CV23	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV25	24794470	ELECTROLYTIC, 16V 47UF M
CV27	24794100	ELECTROLYTIC, 16V 10UF M
CV35	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV36	24092743	CERAMIC CHIP, 10V F 0.47UF Z
CV39	24794101	ELECTROLYTIC, 16V 100UF M
CV40	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV41	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV42	24092538	CERAMIC CHIP, 10V F 1UF Z
CV44	24092743	CERAMIC CHIP, 10V F 0.47UF Z
CV50	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A

Location No.	Parts No.	Description
CV51	24085970	ELECTROLYTIC, NONPOLAR, 16V 10UF M 7L
CV52	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CV53	24092731	CERAMIC CHIP, 16V B 1UF K
CV54	24092731	CERAMIC CHIP, 16V B 1UF K
CV55	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV56	24092538	CERAMIC CHIP, 10V F 1UF Z
CV62	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV63	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CV64	24794471	ELECTROLYTIC, 16V 470UF M
CV65	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV66	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV67	24794101	ELECTROLYTIC, 16V 100UF M
CV69	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV70	24794100	ELECTROLYTIC, 16V 10UF M
CV71	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV72	24092538	CERAMIC CHIP, 10V F 1UF Z
CV73	24092538	CERAMIC CHIP, 10V F 1UF Z
CV74	24092538	CERAMIC CHIP, 10V F 1UF Z
CV75	24092538	CERAMIC CHIP, 10V F 1UF Z
CV76	24092538	CERAMIC CHIP, 10V F 1UF Z
CV77	24092538	CERAMIC CHIP, 10V F 1UF Z
CV78	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV80	24793222	ELECTROLYTIC, 10V 2200UF M
CV81	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV82	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV83	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV84	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV85	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV86	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV87	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV88	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV89	24794101	ELECTROLYTIC, 16V 100UF M
CV93	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV121	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV128	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV201	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV202	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
CV203	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV204	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
CV205	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV238	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV244	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV245	24092731	CERAMIC CHIP, 16V B 1UF K
CV246	24092731	CERAMIC CHIP, 16V B 1UF K
CV247	24092731	CERAMIC CHIP, 16V B 1UF K
CV252	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV253	24092731	CERAMIC CHIP, 16V B 1UF K
CV254	24092731	CERAMIC CHIP, 16V B 1UF K
CV255	24092731	CERAMIC CHIP, 16V B 1UF K
CV256	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV257	24794471	ELECTROLYTIC, 16V 470UF M
CV258	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CV259	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV261	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV263	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV265	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV276	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CV280	24092731	CERAMIC CHIP, 16V B 1UF K
CV281	24092731	CERAMIC CHIP, 16V B 1UF K
CV282	24092731	CERAMIC CHIP, 16V B 1UF K
CV283	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV286	24092731	CERAMIC CHIP, 16V B 1UF K
CV287	24092731	CERAMIC CHIP, 16V B 1UF K
CV288	24092731	CERAMIC CHIP, 16V B 1UF K
CV293	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CY650	24591102	PLASTIC FILM, 50V 1000PF J
CY651	24591102	PLASTIC FILM, 50V 1000PF J
CY652	24591102	PLASTIC FILM, 50V 1000PF J
CZ01	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003

Location No.	Parts No.	Description
	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U001A
	24108101	CERAMIC CHIP, 50V SL 100PF J @U005F
CZ02	24109103	CERAMIC CHIP, 50V B 0.01UF K @U001A
	24109102	CERAMIC CHIP, 50V B 1000PF K @U003
	24108101	CERAMIC CHIP, 50V SL 100PF J @U005F
CZ03	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24109103	CERAMIC CHIP, 50V B 0.01UF K @U001A
CZ04	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24109103	CERAMIC CHIP, 50V B 0.01UF K @U001A
CZ05	24109103	CERAMIC CHIP, 50V B 0.01UF K @U003
	24109103	CERAMIC CHIP, 50V B 0.01UF K @U001A
CZ06	24105102	CERAMIC CHIP, 25V CH 1000PF J
CZ07	24109103	CERAMIC CHIP, 50V B 0.01UF K
CZ09	24109102	CERAMIC CHIP, 50V B 1000PF K @U003
	24794470	ELECTROLYTIC, 16V 47UF M @U001A
CZ10	24109103	CERAMIC CHIP, 50V B 0.01UF K @U003
	24794470	ELECTROLYTIC, 16V 47UF M @U001A
CZ11	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ12	24100104	CERAMIC CHIP, 25V F 0.1UF Z @U003
	24105101	CERAMIC CHIP, 50V CH 100PF J @U001A
CZ13	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CZ14	24619098	ELECTROLYTIC CHIP, 6.3V 100UF M
CZ15	24109102	CERAMIC CHIP, 50V B 1000PF K
CZ20	24105330	CERAMIC CHIP, 50V CH 33PF J
CZ21	24105330	CERAMIC CHIP, 50V CH 33PF J
CZ22	24105330	CERAMIC CHIP, 50V CH 33PF J
CZ23	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ25	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ38	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ40	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ44	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ45	24109103	CERAMIC CHIP, 50V B 0.01UF K
CZ46	24109103	CERAMIC CHIP, 50V B 0.01UF K
CZ47	24109103	CERAMIC CHIP, 50V B 0.01UF K
RESISTORS		
R110	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R271	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R272	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R273	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R274	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R275	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
R276	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R501	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R502	24011272	CHIP, 1/20W 2.7K OHM J
R504	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R505	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R506	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R507	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R508	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R509	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R511	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R512	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R514	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R515	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R516	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R517	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R519	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R520	24366681	CARBON FILM, 1/6W 680 OHM J
R523	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R524	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R525	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R543	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R544	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R545	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R575	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
R576	24000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
R577	24000445	CHIP JUMPER, 1608TYPE @U001A
	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J @U003
R586	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R588	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R589	24011362	CHIP, 1/20W 3.6K OHM J
R591	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R592	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R601	24554470	OXIDE METAL FILM, 2W 47 OHM J
R604	24000606	CHIP, 1/16W 8.2K OHM F
R605	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R606	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R607	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R609	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R610	24011124	CHIP, 1/20W 120K OHM J
R611	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R612	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R613	24011124	CHIP, 1/20W 120K OHM J
R614	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R615	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R616	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R617	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R618	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R619	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R620	24871100	CHIP, METAL FILM, 1/8W 10 OHM J
R623	24871100	CHIP, METAL FILM, 1/8W 10 OHM J
R640	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R641	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R642	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R645	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R646	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R650	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R652	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R655	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R660	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
R661	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R664	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R665	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R667	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R670	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R671	24011272	CHIP, 1/20W 2.7K OHM J
R672	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R673	24011272	CHIP, 1/20W 2.7K OHM J
R674	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
R676	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R677	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R678	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R684	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
R685	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
R686	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R687	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R688	24366101	CARBON FILM, 1/6W 100 OHM J
R690	24366101	CARBON FILM, 1/6W 100 OHM J
R4316	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4317	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4321	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4322	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4328	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4329	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4331	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4332	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4334	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4408	24011361	CHIP, 1/20W 360 OHM J
R4430	24011622	CHIP, METAL FILM, 1/20W 6.2K OHM J
R4465	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R4467	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4468	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4471	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R4472	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4473	24011471	CHIP, METAL FILM, 1/20W 470 OHM J

Location No.	Parts No.	Description
R4474	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4476	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R4477	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R4501	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4502	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4504	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R4526	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R4527	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RA002	24000445	CHIP JUMPER, 1608TYPE
RA004	24000445	CHIP JUMPER, 1608TYPE
RA01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RA02	24000445	CHIP JUMPER, 1608TYPE @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RA03	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA04	24011330	CHIP, 1/20W 33 OHM J
RA05	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA06	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA07	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RA08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RA09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA11	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RA12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RA13	24011331	CHIP, METAL FILM, 1/20W 330 OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RA14	24011330	CHIP, 1/20W 33 OHM J @U003
	24011331	CHIP, METAL FILM, 1/20W 330 OHM J @U001A
RA15	24011330	CHIP, 1/20W 33 OHM J @U003
	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U001A
RA16	24011330	CHIP, 1/20W 33 OHM J @U003
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RA17	24011330	CHIP, 1/20W 33 OHM J
RA18	24011330	CHIP, 1/20W 33 OHM J
RA19	24011330	CHIP, 1/20W 33 OHM J
RA20	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA21	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA22	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA23	24011330	CHIP, 1/20W 33 OHM J
RA24	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA25	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA26	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA27	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA28	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA29	24011330	CHIP, 1/20W 33 OHM J @U003
	24011681	CHIP, METAL FILM, 1/20W 680 OHM J @U001A
RA30	24011330	CHIP, 1/20W 33 OHM J @U003
	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U001A
RA31	24011330	CHIP, 1/20W 33 OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA32	24011330	CHIP, 1/20W 33 OHM J @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RA33	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA34	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U003

Location No.	Parts No.	Description
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA36	24000445	CHIP JUMPER, 1608TYPE @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA37	24000445	CHIP JUMPER, 1608TYPE @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA38	24000445	CHIP JUMPER, 1608TYPE
RA39	24000445	CHIP JUMPER, 1608TYPE
RA41	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA42	24000445	CHIP JUMPER, 1608TYPE @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RA43	24000445	CHIP JUMPER, 1608TYPE @U003
	24011333	CHIP, METAL FILM, 1/20W 33K OHM J @U001A
RA44	24000445	CHIP JUMPER, 1608TYPE @U003
	24011333	CHIP, METAL FILM, 1/20W 33K OHM J @U001A
RA45	24000445	CHIP JUMPER, 1608TYPE @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RA46	24000445	CHIP JUMPER, 1608TYPE
RA47	24000445	CHIP JUMPER, 1608TYPE
RA48	24000445	CHIP JUMPER, 1608TYPE
RA49	24000445	CHIP JUMPER, 1608TYPE
RA50	24000445	CHIP JUMPER, 1608TYPE
RA51	24000445	CHIP JUMPER, 1608TYPE
RA52	24011330	CHIP, 1/20W 33 OHM J
RA53	24000445	CHIP JUMPER, 1608TYPE @U003
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RA60	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA64	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA65	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA66	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RA67	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RA68	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA71	24366683	CARBON FILM, 1/6W 68K OHM J
RA72	24366223	CARBON FILM, 1/6W 22K OHM J
RA73	24366103	CARBON FILM, 1/6W 10K OHM J
RA75	24366103	CARBON FILM, 1/6W 10K OHM J
RA76	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA77	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA78	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RA79	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA80	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA83	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA84	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA85	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA86	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA88	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RA91	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA92	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA93	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA94	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RA95	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA96	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA97	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RA98	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA99	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB01	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB02	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RB04	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB05	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB06	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB07	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB08	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U005C
RB10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB11	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB12	24011471	CHIP, METAL FILM, 1/20W 470 OHM J

Location No.	Parts No.	Description
RB13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB14	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB32	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB33	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB34	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB35	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB46	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB49	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB81	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RB82	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB83	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB90	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB91	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RB92	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB93	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB94	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB95	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB96	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB97	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB98	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC01	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC02	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC03	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC04	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC05	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC06	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC07	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC08	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC09	24000445	CHIP JUMPER, 1608TYPE
RC10	24000445	CHIP JUMPER, 1608TYPE
RC11	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC12	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC13	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC14	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC15	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC16	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC40	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC41	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RD01	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RD02	24011203	CHIP, METAL FILM, 1/20W 20K OHM J
RD04	24011203	CHIP, METAL FILM, 1/20W 20K OHM J
RD07	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RD10	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RD14	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RD17	24011203	CHIP, METAL FILM, 1/20W 20K OHM J
RD19	24011203	CHIP, METAL FILM, 1/20W 20K OHM J
RD20	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RD21	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RD22	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RD45	24000445	CHIP JUMPER, 1608TYPE
RE01	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE02	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE03	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE04	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE05	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE08	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE13	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE14	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE17	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE18	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE21	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE22	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RE39	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RE40	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RE48	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RE49	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RE51	24011330	CHIP, 1/20W 33 OHM J
RE52	24011243	CHIP, METAL FILM, 1/20W 24K OHM J
RE53	24011513	CHIP, METAL FILM, 1/20W 51K OHM J

Location No.	Parts No.	Description
RE54	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RE55	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RE57	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RE58	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RE63	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE64	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE65	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RE79	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RE80	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RE91	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RE93	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RE94	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RE98	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RF01	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF02	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF04	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF05	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RF06	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RF07	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF08	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RF09	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RF10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF11	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF12	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RF13	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RF14	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RF15	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RF16	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RF17	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RF18	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF19	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RF20	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RF21	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF22	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF23	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF24	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF25	24000445	CHIP JUMPER, 1608TYPE
RF26	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RF27	24105121	CERAMIC CHIP, 50V CH 120PF J
RF28	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF29	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF30	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF31	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF32	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF33	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF34	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF35	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF36	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RF37	24011330	CHIP, 1/20W 33 OHM J
RF38	24011330	CHIP, 1/20W 33 OHM J
RF39	24011330	CHIP, 1/20W 33 OHM J
RF40	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RF45	24000445	CHIP JUMPER, 1608TYPE
RF46	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RF51	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF52	24011330	CHIP, 1/20W 33 OHM J
RF57	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF58	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF59	24011330	CHIP, 1/20W 33 OHM J
RF63	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RF64	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RF65	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
RF70	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF78	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RF79	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF80	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF81	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF82	24011103	CHIP, METAL FILM, 1/20W 10K OHM J

Location No.	Parts No.	Description
RF84	24000445	CHIP JUMPER, 1608TYPE
RF86	24011330	CHIP, 1/20W 33 OHM J
RF87	24011330	CHIP, 1/20W 33 OHM J
RF93	24000445	CHIP JUMPER, 1608TYPE
RF94	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF95	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RF97	24011330	CHIP, 1/20W 33 OHM J
RF98	24011330	CHIP, 1/20W 33 OHM J
RF99	24011330	CHIP, 1/20W 33 OHM J
RF100	24011330	CHIP, 1/20W 33 OHM J
RF101	24011330	CHIP, 1/20W 33 OHM J
RF102	24011330	CHIP, 1/20W 33 OHM J
RF103	24011330	CHIP, 1/20W 33 OHM J
RF104	24011330	CHIP, 1/20W 33 OHM J
RF105	24011330	CHIP, 1/20W 33 OHM J
RF106	24011330	CHIP, 1/20W 33 OHM J
RF107	24011330	CHIP, 1/20W 33 OHM J
RF108	24011330	CHIP, 1/20W 33 OHM J
RF109	24011330	CHIP, 1/20W 33 OHM J
RF110	24011330	CHIP, 1/20W 33 OHM J
RF111	24011330	CHIP, 1/20W 33 OHM J
RF112	24011330	CHIP, 1/20W 33 OHM J
RF113	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF114	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF115	24019398	CHIP BLOCK, 1/16W P-8 33 OHM J
RF118	24011330	CHIP, 1/20W 33 OHM J
RM06	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RM07	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RM10	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RM11	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM12	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
RM13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM14	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RM15	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RM16	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RM17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM18	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM20	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM21	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM22	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RM23	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM24	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RM25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM26	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM27	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM28	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM30	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM31	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM32	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM33	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RM34	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RM37	24000445	CHIP JUMPER, 1608TYPE
RM38	24000445	CHIP JUMPER, 1608TYPE
RM39	24000445	CHIP JUMPER, 1608TYPE
RM40	24000445	CHIP JUMPER, 1608TYPE
RM41	24000445	CHIP JUMPER, 1608TYPE
RM42	24000445	CHIP JUMPER, 1608TYPE
RM101	24011330	CHIP, 1/20W 33 OHM J
RM102	24011330	CHIP, 1/20W 33 OHM J
RM103	24011330	CHIP, 1/20W 33 OHM J
RR01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001
	24871750	CHIP, METAL FILM, 1/8W 75 OHM J @U005D
RR02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24871750	CHIP, METAL FILM, 1/8W 75 OHM J @U005D
RR03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003

Location No.	Parts No.	Description
	24871750	CHIP, METAL FILM, 1/8W 75 OHM J @U005D
RR07	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR08	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR09	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR19	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR20	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR21	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RR22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR23	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR24	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RR28	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR29	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR30	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR31	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR32	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR33	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR34	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR36	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR56	24011560	CHIP, METAL FILM, 1/20W 56 OHM J
RR57	24011560	CHIP, METAL FILM, 1/20W 56 OHM J
RR58	24011560	CHIP, METAL FILM, 1/20W 56 OHM J
RR59	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR71	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR73	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RR74	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RR75	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RR76	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR77	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR78	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RR79	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RR87	24000445	CHIP JUMPER, 1608TYPE
RR89	24000445	CHIP JUMPER, 1608TYPE
RR90	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR93	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR95	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RR96	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RR97	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RR99	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RR512	24000445	CHIP JUMPER, 1608TYPE
RR520	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR521	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR524	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RR525	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RR526	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR531	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR532	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR533	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR534	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RR535	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RR536	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS01	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS02	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS03	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J @U001A
RS04	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J @U001A
RS05	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS06	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS07	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J @U001A
RS08	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J @U001A
RS09	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS10	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RS11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RS12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS13	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS14	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS15	24011104	CHIP, METAL FILM, 1/20W 100K OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS16	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS17	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U003
	24011473	CHIP, METAL FILM, 1/20W 47K OHM J @U001A
RS18	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS20	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U003
RS21	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U001A
	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U003
RS22	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS23	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS24	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS25	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS26	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS27	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS28	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS29	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011681	CHIP, METAL FILM, 1/20W 680 OHM J @U001A
RS30	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011681	CHIP, METAL FILM, 1/20W 680 OHM J @U001A
RS31	24011104	CHIP, METAL FILM, 1/20W 100K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS32	24011104	CHIP, METAL FILM, 1/20W 100K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS33	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011473	CHIP, METAL FILM, 1/20W 47K OHM J @U001A
RS34	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
	24011473	CHIP, METAL FILM, 1/20W 47K OHM J @U001A
RS35	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS36	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS37	24011223	CHIP, METAL FILM, 1/20W 22K OHM J @U002A
	24011470	CHIP, METAL FILM, 1/20W 47 OHM J @U003
RS38	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS39	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS40	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS41	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS42	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS43	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS44	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS45	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS46	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS47	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS48	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS49	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS50	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS51	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS52	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS53	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS54	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS55	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS56	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS57	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS58	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS59	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J

Location No.	Parts No.	Description
RS60	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS61	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS62	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS63	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS64	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS65	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RS66	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS67	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS69	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS70	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS75	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS76	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS77	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS78	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS79	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS80	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS81	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS82	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS83	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS84	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RS85	24000665	FUSIBLE, 1/4W 15 OHM J
RS86	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RS87	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS90	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RS91	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS92	24011393	CHIP, METAL FILM, 1/20W 39K OHM J
RS93	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RS94	24011393	CHIP, METAL FILM, 1/20W 39K OHM J
RS95	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RS96	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS97	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS99	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS103	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS112	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS116	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS500	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RS501	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS502	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS503	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS504	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS505	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RS506	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS507	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS508	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS509	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS511	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS512	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RS513	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RS514	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
RS515	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RS516	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS517	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS520	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS521	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS522	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RS523	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS524	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS525	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RS526	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS527	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS528	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS529	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS530	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RV04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV05	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV07	24367103	CARBON FILM, 1/6W 10K OHM G
RV08	24367103	CARBON FILM, 1/6W 10K OHM G
RV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RV10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV14	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV15	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV16	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV18	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV20	24367103	CARBON FILM, 1/6W 10K OHM G
RV21	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV23	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24872471	CHIP, 1/16W 470 OHM J
RV28	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV29	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV30	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV31	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV32	24367102	CARBON FILM, 1/6W 1K OHM G
RV33	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV34	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV35	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV36	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV37	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV39	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV41	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV42	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RV43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV44	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV45	24000445	CHIP JUMPER, 1608TYPE
RV46	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV48	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV50	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV51	24000445	CHIP JUMPER, 1608TYPE
RV59	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV60	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV61	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV62	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV64	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV65	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV67	24872471	CHIP, 1/16W 470 OHM J
RV68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV69	24000445	CHIP JUMPER, 1608TYPE
RV70	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV72	24872391	CHIP, 1/16W 390 OHM J
RV73	24872391	CHIP, 1/16W 390 OHM J
RV75	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV77	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV78	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV79	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV80	24872471	CHIP, 1/16W 470 OHM J
RV81	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV82	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV83	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV85	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV87	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV88	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RV89	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RV90	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV91	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV92	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV93	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV94	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV99	24000445	CHIP JUMPER, 1608TYPE
RV121	24871750	CHIP, METAL FILM, 1/8W 75 OHM J
RV122	24871750	CHIP, METAL FILM, 1/8W 75 OHM J
RV129	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV201	24000824	CHIP JUMPER, 2125TYPE @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV202	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV203	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RV204	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV205	24872151	CHIP, 1/16W 150 OHM J @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV206	24872151	CHIP, 1/16W 150 OHM J @U002A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RV207	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV208	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RV209	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RV210	24000824	CHIP JUMPER, 2125TYPE
RV211	24000824	CHIP JUMPER, 2125TYPE @U002A
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RV212	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV213	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RV214	24872750	CHIP, METAL FILM, 1/16W 75 OHM J @U002A
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RV215	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV216	24872151	CHIP, 1/16W 150 OHM J @U002A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
RV217	24872151	CHIP, 1/16W 150 OHM J @U002A
	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
RV218	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV219	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U001A
	24011750	CHIP, METAL FILM, 1/20W 75 OHM J @U002A
RV220	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV222	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV223	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV224	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV225	24011330	CHIP, 1/20W 33 OHM J
RV226	24011330	CHIP, 1/20W 33 OHM J
RV227	24011330	CHIP, 1/20W 33 OHM J
RV228	24011330	CHIP, 1/20W 33 OHM J
RV229	24011330	CHIP, 1/20W 33 OHM J
RV230	24011330	CHIP, 1/20W 33 OHM J
RV231	24011330	CHIP, 1/20W 33 OHM J
RV232	24011330	CHIP, 1/20W 33 OHM J
RV233	24011330	CHIP, 1/20W 33 OHM J
RV234	24011330	CHIP, 1/20W 33 OHM J
RV235	24011330	CHIP, 1/20W 33 OHM J
RV236	24011330	CHIP, 1/20W 33 OHM J
RV237	24011330	CHIP, 1/20W 33 OHM J
RV238	24011330	CHIP, 1/20W 33 OHM J
RV239	24011330	CHIP, 1/20W 33 OHM J
RV240	24011330	CHIP, 1/20W 33 OHM J
RV250	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
RV251	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
RV252	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV253	24871681	CHIP, 1/8W 680 OHM J
RV254	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
RV255	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
RV256	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV257	24871681	CHIP, 1/8W 680 OHM J
RV280	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV281	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV282	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV283	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV284	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV285	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV290	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV291	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RV292	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV293	24871681	CHIP, 1/8W 680 OHM J

Location No.	Parts No.	Description
RV294	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV295	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RV296	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV297	24871681	CHIP, 1/8W 680 OHM J
RV298	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV299	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RV330	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV331	24367102	CARBON FILM, 1/6W 1K OHM G
RV332	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV333	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV334	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV335	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV336	24871681	CHIP, 1/8W 680 OHM J
RV337	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV338	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV341	24367102	CARBON FILM, 1/6W 1K OHM G
RV349	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV357	24011330	CHIP, 1/20W 33 OHM J
RV358	24011330	CHIP, 1/20W 33 OHM J
RV359	24011330	CHIP, 1/20W 33 OHM J
RV360	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV402	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV403	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RZ02	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ04	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RZ06	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ08	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ09	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RZ11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U001A
	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U003
RZ12	24000445	CHIP JUMPER, 1608TYPE @U001A
	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J @U003
RZ13	24000445	CHIP JUMPER, 1608TYPE
RZ15	24011330	CHIP, 1/20W 33 OHM J
RZ16	24011330	CHIP, 1/20W 33 OHM J
RZ17	24011330	CHIP, 1/20W 33 OHM J @U003
	24011103	CHIP, METAL FILM, 1/20W 10K OHM J @U001A
RZ18	24011330	CHIP, 1/20W 33 OHM J @U003
	24011473	CHIP, METAL FILM, 1/20W 47K OHM J @U001A
RZ19	24011330	CHIP, 1/20W 33 OHM J @U003
	24011473	CHIP, METAL FILM, 1/20W 47K OHM J @U001A
RZ20	24011330	CHIP, 1/20W 33 OHM J @U003
	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J @U001A
RZ21	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U003
	24011471	CHIP, METAL FILM, 1/20W 470 OHM J @U001A
RZ22	24011101	CHIP, METAL FILM, 1/20W 100 OHM J @U003
	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J @U001A
RZ23	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ24	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RZ25	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U003
	24011471	CHIP, METAL FILM, 1/20W 470 OHM J @U001A
RZ27	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RZ29	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RZ36	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RZ40	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RZ41	24011272	CHIP, 1/20W 2.7K OHM J
RZ42	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ43	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RZ44	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ45	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
G696	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
G697	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GA02	23103828	INDUCTOR, BEAD, TEM2121M
GA03	23103828	INDUCTOR, BEAD, TEM2121M
GA06	23103828	INDUCTOR, BEAD, TEM2121M
GA07	23103828	INDUCTOR, BEAD, TEM2121M
GA08	23103828	INDUCTOR, BEAD, TEM2121M

Location No.	Parts No.	Description
GA10	23103828	INDUCTOR, BEAD, TEM2121M
GA21	23103828	INDUCTOR, BEAD, TEM2121M
GA22	23103828	INDUCTOR, BEAD, TEM2121M
GC01	24000445	CHIP JUMPER, 1608TYPE
GC02	24000445	CHIP JUMPER, 1608TYPE
GC03	24000445	CHIP JUMPER, 1608TYPE
GC04	24000445	CHIP JUMPER, 1608TYPE
GC05	24000445	CHIP JUMPER, 1608TYPE
GC20	24000824	CHIP JUMPER, 2125TYPE
GJ603	24000445	CHIP JUMPER, 1608TYPE
GJ604	24000445	CHIP JUMPER, 1608TYPE
GR24	24000445	CHIP JUMPER, 1608TYPE @U001A
	24000445	CHIP JUMPER, 1608TYPE @U005F
GR25	24000445	CHIP JUMPER, 1608TYPE @U001A
	24000445	CHIP JUMPER, 1608TYPE @U005F
GR26	24000445	CHIP JUMPER, 1608TYPE @U001A
	24000445	CHIP JUMPER, 1608TYPE @U005F
GR27	24000445	CHIP JUMPER, 1608TYPE
GR195	24000824	CHIP JUMPER, 2125TYPE
GR401	24000445	CHIP JUMPER, 1608TYPE
GR402	24000445	CHIP JUMPER, 1608TYPE
GR403	24000445	CHIP JUMPER, 1608TYPE
GR404	24000445	CHIP JUMPER, 1608TYPE
GR515	24000445	CHIP JUMPER, 1608TYPE
GR516	24000445	CHIP JUMPER, 1608TYPE
GR517	24000445	CHIP JUMPER, 1608TYPE
GR518	24000445	CHIP JUMPER, 1608TYPE
GR521	24000445	CHIP JUMPER, 1608TYPE
GR522	24000445	CHIP JUMPER, 1608TYPE
GR525	24000445	CHIP JUMPER, 1608TYPE
GR526	24000445	CHIP JUMPER, 1608TYPE
GR527	24000445	CHIP JUMPER, 1608TYPE
GR528	24000445	CHIP JUMPER, 1608TYPE
GR602	24000445	CHIP JUMPER, 1608TYPE
GR605	24000445	CHIP JUMPER, 1608TYPE
GR610	24000445	CHIP JUMPER, 1608TYPE
GR611	24000445	CHIP JUMPER, 1608TYPE
GRR01	24000445	CHIP JUMPER, 1608TYPE
GRR02	24000445	CHIP JUMPER, 1608TYPE
GRR03	24000445	CHIP JUMPER, 1608TYPE
GRR04	24000445	CHIP JUMPER, 1608TYPE
GRR05	24000445	CHIP JUMPER, 1608TYPE
GRR24	24000445	CHIP JUMPER, 1608TYPE
GRR25	24000445	CHIP JUMPER, 1608TYPE
GRR26	24000445	CHIP JUMPER, 1608TYPE
GRR27	24000445	CHIP JUMPER, 1608TYPE
GRR33	24000445	CHIP JUMPER, 1608TYPE
GRS04	24000445	CHIP JUMPER, 1608TYPE
GRV03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV06	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV12	24000445	CHIP JUMPER, 1608TYPE @U001A
	24000576	JUMPER CHIP, 3216TYPE @U005F
GRV14	24000445	CHIP JUMPER, 1608TYPE
GRV15	24000445	CHIP JUMPER, 1608TYPE
GRV35	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GRV42	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GRV43	24000445	CHIP JUMPER, 1608TYPE
GRV44	24000445	CHIP JUMPER, 1608TYPE
GRV45	24000445	CHIP JUMPER, 1608TYPE
GRV46	24000445	CHIP JUMPER, 1608TYPE
GRV47	24000445	CHIP JUMPER, 1608TYPE
GRV48	24000445	CHIP JUMPER, 1608TYPE
GRV65	24000445	CHIP JUMPER, 1608TYPE
GRV66	24000445	CHIP JUMPER, 1608TYPE
GRV69	24000445	CHIP JUMPER, 1608TYPE
GRV70	24000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
GRV94	24000445	CHIP JUMPER, 1608TYPE
GRV95	24000445	CHIP JUMPER, 1608TYPE
GRV96	24000445	CHIP JUMPER, 1608TYPE
GRV97	24000445	CHIP JUMPER, 1608TYPE
GRV98	24000445	CHIP JUMPER, 1608TYPE
GRV99	24000445	CHIP JUMPER, 1608TYPE
GRZ01	24000445	CHIP JUMPER, 1608TYPE
GRZ02	24000445	CHIP JUMPER, 1608TYPE
GRZ03	24000445	CHIP JUMPER, 1608TYPE
GRZ05	24000445	CHIP JUMPER, 1608TYPE
GRZ07	24000445	CHIP JUMPER, 1608TYPE
GRZ23	24000445	CHIP JUMPER, 1608TYPE
GRZ24	24000445	CHIP JUMPER, 1608TYPE
GRZ98	24000445	CHIP JUMPER, 1608TYPE
GRZ99	24000445	CHIP JUMPER, 1608TYPE
COIL & TRANSFORMERS		
L101	23289845	COIL, PEAKING, TRF4680AT
L102	23238720	COIL, PEAKING, TRF4339AJ
L103	23238720	COIL, PEAKING, TRF4339AJ
L280	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
L289	23248073	COIL, CHOKE, TLN3299D
L400	23289840	COIL, PEAKING, TRF4100AT
L504	23238714	COIL, PEAKING, TRF4100AJ
L505	23289840	COIL, PEAKING, TRF4100AT
L512	23289840	COIL, PEAKING, TRF4100AT
L620	23246406	COIL, CHOKE, TLN3528AF
L622	23246406	COIL, CHOKE, TLN3528AF
L623	23246406	COIL, CHOKE, TLN3528AF
L625	23246406	COIL, CHOKE, TLN3528AF
L640	23289109	COIL, PEAKING, TRF41R0AF
L645	23103238	INDUCTOR, BEAD TEM2142AD
L655	23103233	INDUCTOR, BEAD TEM2137AD
L4301	23289840	COIL, PEAKING, TRF4100AT
LA01	23289840	COIL, PEAKING, TRF4100AT @U001AS
	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD @U003
LA02	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA03	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA04	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA05	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA06	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA07	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA08	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA09	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA11	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA12	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA13	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA15	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA16	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA17	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA19	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA20	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA21	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA22	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA23	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA24	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA25	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LA26	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA27	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA28	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA29	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LA30	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LA31	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LA32	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LA33	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LA34	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA35	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LA36	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA37	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS

Location No.	Parts No.	Description
LA38	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA39	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA40	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA41	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA42	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA43	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA44	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA45	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LA46	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LC01	23103828	INDUCTOR, BEAD, TEM2121M
LC02	23103828	INDUCTOR, BEAD, TEM2121M
LC03	23103828	INDUCTOR, BEAD, TEM2121M
LC04	23103828	INDUCTOR, BEAD, TEM2121M
LC05	23103828	INDUCTOR, BEAD, TEM2121M
LC06	23103828	INDUCTOR, BEAD, TEM2121M
LC07	23103828	INDUCTOR, BEAD, TEM2121M
LC08	23103828	INDUCTOR, BEAD, TEM2121M
LC09	23103828	INDUCTOR, BEAD, TEM2121M
LC10	23103828	INDUCTOR, BEAD, TEM2121M
LC11	23103828	INDUCTOR, BEAD, TEM2121M
LC12	23103828	INDUCTOR, BEAD, TEM2121M
LC13	23103828	INDUCTOR, BEAD, TEM2121M
LC14	23103828	INDUCTOR, BEAD, TEM2121M
LC15	23103828	INDUCTOR, BEAD, TEM2121M
LC16	23103828	INDUCTOR, BEAD, TEM2121M
LC18	23103828	INDUCTOR, BEAD, TEM2121M
LC24	23103828	INDUCTOR, BEAD, TEM2121M
LC26	23103828	INDUCTOR, BEAD, TEM2121M
LC28	23103828	INDUCTOR, BEAD, TEM2121M
LC29	23103828	INDUCTOR, BEAD, TEM2121M
LC30	23103828	INDUCTOR, BEAD, TEM2121M
LC31	23238562	COIL, PEAKING, TRF4109AJ
LC32	23103828	INDUCTOR, BEAD, TEM2121M
LE01	23303229	EMI FILTER, CHIP EMI FILTER 3 TEM1052AD
LE03	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LF01	23103827	INDUCTOR, BEAD, TEM2120M
LF02	23103827	INDUCTOR, BEAD, TEM2120M
LF03	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LF04	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LF05	23103826	INDUCTOR, BEAD TEM2119M
LF06	23103826	INDUCTOR, BEAD TEM2119M
LF07	23103826	INDUCTOR, BEAD TEM2119M
LF08	23103826	INDUCTOR, BEAD TEM2119M
LF10	23246398	COIL, CHIP INDUCTOR 10MMH K COLTRF4100CV
LF11	23103827	INDUCTOR, BEAD, TEM2120M
LF12	23103826	INDUCTOR, BEAD TEM2119M
LF13	23103828	INDUCTOR, BEAD, TEM2121M
LF14	23103828	INDUCTOR, BEAD, TEM2121M
LF15	23103828	INDUCTOR, BEAD, TEM2121M
LF16	23103828	INDUCTOR, BEAD, TEM2121M
LF17	23103828	INDUCTOR, BEAD, TEM2121M
LF19	23103826	INDUCTOR, BEAD TEM2119M
LF20	23103826	INDUCTOR, BEAD TEM2119M
LF21	23103827	INDUCTOR, BEAD, TEM2120M
LF22	23103826	INDUCTOR, BEAD TEM2119M
LF23	23103826	INDUCTOR, BEAD TEM2119M
LF24	23103826	INDUCTOR, BEAD TEM2119M
LF25	23103826	INDUCTOR, BEAD TEM2119M
LF26	23103826	INDUCTOR, BEAD TEM2119M
LF27	23103826	INDUCTOR, BEAD TEM2119M
LF28	23103826	INDUCTOR, BEAD TEM2119M
LF29	23103826	INDUCTOR, BEAD TEM2119M
LF30	23103826	INDUCTOR, BEAD TEM2119M
LF31	24000445	CHIP JUMPER, 1608TYPE
LF32	23103828	INDUCTOR, BEAD, TEM2121M
LF33	23103828	INDUCTOR, BEAD, TEM2121M
LF34	23103828	INDUCTOR, BEAD, TEM2121M
LF35	23103828	INDUCTOR, BEAD, TEM2121M
LF36	23103828	INDUCTOR, BEAD, TEM2121M

Location No.	Parts No.	Description
LF37	23103828	INDUCTOR, BEAD, TEM2121M
LF38	23103828	INDUCTOR, BEAD, TEM2121M
LF39	23103828	INDUCTOR, BEAD, TEM2121M
LF40	23103828	INDUCTOR, BEAD, TEM2121M
LF62	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LR20	23289840	COIL, PEAKING, TRF4100AT
LR21	23103852	COIL, FILTER, TEM2028AH
LR22	23103852	COIL, FILTER, TEM2028AH
LR23	23103852	COIL, FILTER, TEM2028AH
LR51	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LR52	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LR53	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LR54	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LR55	24000824	CHIP JUMPER, 2125TYPE
LR56	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LR57	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LR58	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LR59	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LS01	23303229	EMI FILTER, CHIP EMI FILTER 3 TEM1052AD
LV09	23289840	COIL, PEAKING, TRF4100AT
LV10	23289840	COIL, PEAKING, TRF4100AT
LV11	23103852	COIL, FILTER, TEM2028AH
LV12	23103852	COIL, FILTER, TEM2028AH
LV21	23289840	COIL, PEAKING, TRF4100AT
LV22	23103852	COIL, FILTER, TEM2028AH
LV23	23103852	COIL, FILTER, TEM2028AH
LV24	23103852	COIL, FILTER, TEM2028AH
LV25	23103852	COIL, FILTER, TEM2028AH
LV26	23103852	COIL, FILTER, TEM2028AH
LV27	23103852	COIL, FILTER, TEM2028AH
LV28	23103852	COIL, FILTER, TEM2028AH
LV42	23289840	COIL, PEAKING, TRF4100AT
LV43	23289840	COIL, PEAKING, TRF4100AT
LV201	23289844	COIL, PEAKING, TRF4470AT
LV270	23289844	COIL, PEAKING, TRF4470AT
LZ01	23289840	COIL, PEAKING, TRF4100AT
LZ02	23289840	COIL, PEAKING, TRF4100AT
	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LZ03	23289840	COIL, PEAKING, TRF4100AT
	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LZ04	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
	23103827	INDUCTOR, BEAD, TEM2120M
LZ05	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LZ06	23103269	FILTER, EMI 2012 90OHM 0.4A TEM2031AD
LZ14	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LZ15	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LZ16	23103823	COIL, FILTER, TEM2027D
LZ18	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LZ19	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LZ20	23289100	COIL, PEAKING, TRF4100AF
LZ23	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LZ24	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LZ25	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LZ26	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LZ27	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LZ41	23103828	INDUCTOR, BEAD, TEM2121M
LZ42	23103828	INDUCTOR, BEAD, TEM2121M
SEMICONDUCTORS		
Q271	23114499	TRANSISTOR, RN1404
Q272	23114499	TRANSISTOR, RN1404
Q273	23114493	TRANSISTOR, RN2404
Q274	23314993	TRANSISTOR, 2SC4081 Q
Q280	23904494	IC, TA7805F(TE16L)
Q501	23009178	IC, TB1274AF(J,FP)
Q504	23314994	TRANSISTOR, 2SA1576A106
Q505	23314994	TRANSISTOR, 2SA1576A106
Q506	23114433	TRANSISTOR, 2SC1815-Y
Q507	23114501	TRANSISTOR, RN1402

Location No.	Parts No.	Description
Q511	23906666	IC, TA1287F(EL)
Q520	23205014	TRANSISTOR, 2SC4667-O
Q610	23009368	IC, TA2024(T)
Q612	23314163	TRANSISTOR, 2SA1162-Y
Q615	23114493	TRANSISTOR, RN2404
Q627	23114493	TRANSISTOR, RN2404
Q630	23009042	IC, LA4525
Q671	70114396	TRANSISTOR, 2SC3326B
Q672	70114396	TRANSISTOR, 2SC3326B
Q675	70114396	TRANSISTOR, 2SC3326B
Q676	70114396	TRANSISTOR, 2SC3326B
Q677	23114493	TRANSISTOR, RN2404
Q678	23314475	TRANSISTOR, 2SC2712-Y
Q679	23314475	TRANSISTOR, 2SC2712-Y
Q680	23314475	TRANSISTOR, 2SC2712-Y
Q4303	23318981	IC, MC14053BF
Q4304	70114402	TRANSISTOR, 2SC3437-Y
Q4305	23205057	TRANSISTOR, KTC3875Y
Q4306	70114402	TRANSISTOR, 2SC3437-Y
Q4307	23205057	TRANSISTOR, KTC3875Y
Q4310	23904396	IC, TC7S14F
Q4311	23904396	IC, TC7S14F
Q4312	23904396	IC, TC7S14F
Q4313	23904396	IC, TC7S14F
Q4464	23314994	TRANSISTOR, 2SA1576A106
Q4501	23205057	TRANSISTOR, KTC3875Y
QA01	23009814	IC, CXP750010-318S @U001A
	23904494	IC, TA7805F(TE16L) @U003
QA02	23009649	IC, AT24C64A-10PI @U001A
	23009600	IC, THC63LVDF84B @U003
QA05	23906367	IC, PST9146NL
QA13	23205112	TRANSISTOR, 2SA1980UF-Y
QA84	23205014	TRANSISTOR, 2SC4667-O
QB01	23314163	TRANSISTOR, 2SA1162-Y
QB04	23314994	TRANSISTOR, 2SA1576A106
QB05	23314993	TRANSISTOR, 2SC4081 Q
QB06	23314994	TRANSISTOR, 2SA1576A106
QB42	23314994	TRANSISTOR, 2SA1576A106
QB43	23314993	TRANSISTOR, 2SC4081 Q
QB81	70114396	TRANSISTOR, 2SC3326B
QB82	70114396	TRANSISTOR, 2SC3326B
QB83	23314994	TRANSISTOR, 2SA1576A106
QB92	23314993	TRANSISTOR, 2SC4081 Q
QB93	23314994	TRANSISTOR, 2SA1576A106
QB94	23314994	TRANSISTOR, 2SA1576A106
QB95	23314994	TRANSISTOR, 2SA1576A106
QB96	23314994	TRANSISTOR, 2SA1576A106
QD05	23009221	IC, NJM2150V(TE1)
QE13	23009366	IC, TC7SA04F
QF01	23009431	IC, SDA6001 B12
QF02	23906770	IC, BA033FP
QF03	23000904	IC, REGULATOR +2.5V TO252-3 BA25BC0FP
QF04	23009595	IC, IC42S16400-7TT/R
QF05	23009114	IC, BD4746G
QF06	23314993	TRANSISTOR, 2SC4081 Q
QF07	70114402	TRANSISTOR, 2SC3437-Y
QF08	23314993	TRANSISTOR, 2SC4081 Q
QF09	23205014	TRANSISTOR, 2SC4667-O
QF10	23314994	TRANSISTOR, 2SA1576A106
QF11	23314994	TRANSISTOR, 2SA1576A106
QF12	23314994	TRANSISTOR, 2SA1576A106
QF14	23009601	IC, X29LV800TMC-90-WR5
QF15	23314994	TRANSISTOR, 2SA1576A106
QF16	23314993	TRANSISTOR, 2SC4081 Q
QF21	23114501	TRANSISTOR, RN1402
QF24	23205099	TRANSISTOR, FET VDSS=60V RK7002
QF25	23205099	TRANSISTOR, FET VDSS=60V RK7002
QF27	23314993	TRANSISTOR, 2SC4081 Q
QM17	23009339	IC, AT24C256N-10SI-2.7

Location No.	Parts No.	Description
QM22	23205039	TRANSISTOR, FET, 2SK2035-TE85L
QM23	23205039	TRANSISTOR, FET, 2SK2035-TE85L
QM24	23009677	IC, M30626FHPGP-1
QM25	23153570	IC, PST3427
QR22	23314993	TRANSISTOR, 2SC4081 Q
QR23	23314993	TRANSISTOR, 2SC4081 Q
QR24	23314993	TRANSISTOR, 2SC4081 Q
QR53	23314994	TRANSISTOR, 2SA1576A106
QR54	23314994	TRANSISTOR, 2SA1576A106
QR55	23314994	TRANSISTOR, 2SA1576A106
QR56	23906666	IC, TA1287F(EL)
QR57	23314993	TRANSISTOR, 2SC4081 Q
QR58	23314993	TRANSISTOR, 2SC4081 Q
QR59	23314993	TRANSISTOR, 2SC4081 Q
QR63	23314994	TRANSISTOR, 2SA1576A106
QR64	23314994	TRANSISTOR, 2SA1576A106
QR65	23314994	TRANSISTOR, 2SA1576A106
QR67	23314993	TRANSISTOR, 2SC4081 Q
QR68	23314993	TRANSISTOR, 2SC4081 Q
QR69	23314993	TRANSISTOR, 2SC4081 Q
QR70	23314993	TRANSISTOR, 2SC4081 Q
QR71	23314993	TRANSISTOR, 2SC4081 Q
QR72	23314993	TRANSISTOR, 2SC4081 Q
QR73	70114402	TRANSISTOR, 2SC3437-Y
QR74	23314993	TRANSISTOR, 2SC4081 Q
QS01	23009366	IC, TC7SA04F @U003
	70114396	TRANSISTOR, 2SC3326B @U001A
QS02	70114396	TRANSISTOR, 2SC3326B
QS03	23205045	TRANSISTOR, 2SA1037AKQ
QS04	23205045	TRANSISTOR, 2SA1037AKQ
QS05	23009571	IC, TC74VCX574FT(EL) @U003
	70114396	TRANSISTOR, 2SC3326B @U001A
QS06	23009571	IC, TC74VCX574FT(EL) @U003
	70114396	TRANSISTOR, 2SC3326B @U001A
QS07	23009571	IC, TC74VCX574FT(EL) @U003
	70114396	TRANSISTOR, 2SC3326B @U001A
QS08	23009571	IC, TC74VCX574FT(EL) @U003
	70114396	TRANSISTOR, 2SC3326B @U001A
QS09	23009571	IC, TC74VCX574FT(EL) @U003
	23114493	TRANSISTOR, RN2404 @U001A
QS10	23009571	IC, TC74VCX574FT(EL)
QS11	23314475	TRANSISTOR, 2SC2712-Y
QS12	23114493	TRANSISTOR, RN2404
QS13	70114396	TRANSISTOR, 2SC3326B
QS14	70114396	TRANSISTOR, 2SC3326B
QS15	70129558	IC, MM1231XF
QS16	23314993	TRANSISTOR, 2SC4081 Q
QS17	23314993	TRANSISTOR, 2SC4081 Q
QS18	70114396	TRANSISTOR, 2SC3326B
QS19	23314475	TRANSISTOR, 2SC2712-Y
QS20	70114396	TRANSISTOR, 2SC3326B
QS51	23000263	IC, BU4053BCF
QS52	23314475	TRANSISTOR, 2SC2712-Y
QS102	23318820	IC, OPE AMP, BA10358F
QS103	23906597	IC, BA4558F
QS104	23314993	TRANSISTOR, 2SC4081 Q
QS105	23205045	TRANSISTOR, 2SA1037AKQ
QS106	70114396	TRANSISTOR, 2SC3326B
QS107	23114493	TRANSISTOR, RN2404
QS108	23314993	TRANSISTOR, 2SC4081 Q
QV01	23906887	IC, CXA2069Q
QV02	23314993	TRANSISTOR, 2SC4081 Q
QV03	23314993	TRANSISTOR, 2SC4081 Q
QV04	23314993	TRANSISTOR, 2SC4081 Q
QV05	23314993	TRANSISTOR, 2SC4081 Q
QV06	23314994	TRANSISTOR, 2SA1576A106
QV09	23114433	TRANSISTOR, 2SC1815-Y
QV11	23114433	TRANSISTOR, 2SC1815-Y
QV12	23114433	TRANSISTOR, 2SC1815-Y

Location No.	Parts No.	Description
QV14	23114433	TRANSISTOR, 2SC1815-Y
QV16	70128711	IC, SW 2IN 1OUT 3CIRCUIT ALLCLP BA7603F
QV17	23318981	IC, MC14053BF
QV20	23205112	TRANSISTOR, 2SA1980UF-Y(
QV21	23314475	TRANSISTOR, 2SC2712-Y
QV22	23314993	TRANSISTOR, 2SC4081 Q
QV23	23314994	TRANSISTOR, 2SA1576A106
QV26	23314993	TRANSISTOR, 2SC4081 Q
QV27	23205112	TRANSISTOR, 2SA1980UF-Y(
QV28	23314475	TRANSISTOR, 2SC2712-Y
QV29	23205112	TRANSISTOR, 2SA1980UF-Y(
QV30	23314475	TRANSISTOR, 2SC2712-Y
QV41	23314163	TRANSISTOR, 2SA1162-Y
QV42	23314163	TRANSISTOR, 2SA1162-Y
QV43	23314163	TRANSISTOR, 2SA1162-Y
QV44	23314163	TRANSISTOR, 2SA1162-Y
QV45	23314163	TRANSISTOR, 2SA1162-Y
QV46	23314163	TRANSISTOR, 2SA1162-Y
QV201	23314475	TRANSISTOR, 2SC2712-Y
QV202	23314475	TRANSISTOR, 2SC2712-Y
QV243	23000801	IC, MM1501XNRE
QV254	23000360	IC, MM1519XQ
QZ01	23009303	IC, CMOS MULTI COMB SOP16 TDA9181T/N1,118
QZ02	23009527	IC, THC63LVDM83R @U003
	23314994	TRANSISTOR, 2SA1576A106 @U001A
QZ03	23314994	TRANSISTOR, 2SA1576A106 @U001A
	23114502	TRANSISTOR, RN1401 @U003
QZ04	23314994	TRANSISTOR, 2SA1576A106 @U001A
	23114502	TRANSISTOR, RN1401 @U003
QZ05	23314994	TRANSISTOR, 2SA1576A106 @U001A
	23314289	TRANSISTOR, 2SA1586-Y @U003
QZ06	23314994	TRANSISTOR, 2SA1576A106 @U001A
	23314292	TRANSISTOR, 2SC4116-Y @U003
QZ09	23314993	TRANSISTOR, 2SC4081 Q
QZ10	23314994	TRANSISTOR, 2SA1576A106
QZ11	23314993	TRANSISTOR, 2SC4081 Q
QZ12	23314993	TRANSISTOR, 2SC4081 Q
D272	23316231	DIODE, 1SS355 @U001A
	23118041	DIODE, MA111 @U001A
D280	23316231	DIODE, 1SS355
D506	23316673	DIODE, ZENER, MTZJ5.6C
D511	23357037	DIODE, ZENER, UDZS5.6B
D514	23357037	DIODE, ZENER, UDZS5.6B
D515	23357037	DIODE, ZENER, UDZS5.6B
D608	23316591	DIODE, ZENER, MA8100-M
D611	23316231	DIODE, 1SS355
D612	23316231	DIODE, 1SS355
D613	23316231	DIODE, 1SS355
D614	23316231	DIODE, 1SS355
D615	23316231	DIODE, 1SS355
D616	23316231	DIODE, 1SS355
D617	23316231	DIODE, 1SS355
D618	23316231	DIODE, 1SS355
D619	23316231	DIODE, 1SS355
D620	23316231	DIODE, 1SS355
D621	23316231	DIODE, 1SS355
D622	23316231	DIODE, 1SS355
D623	23316231	DIODE, 1SS355
D624	23316231	DIODE, 1SS355
D625	23316231	DIODE, 1SS355
D626	23316231	DIODE, 1SS355
D627	23316231	DIODE, 1SS355
D628	23316231	DIODE, 1SS355
D629	23316231	DIODE, 1SS355
D640	23316231	DIODE, 1SS355
D641	23316231	DIODE, 1SS355
D642	23316231	DIODE, 1SS355
D643	23316231	DIODE, 1SS355
D646	23316231	DIODE, 1SS355

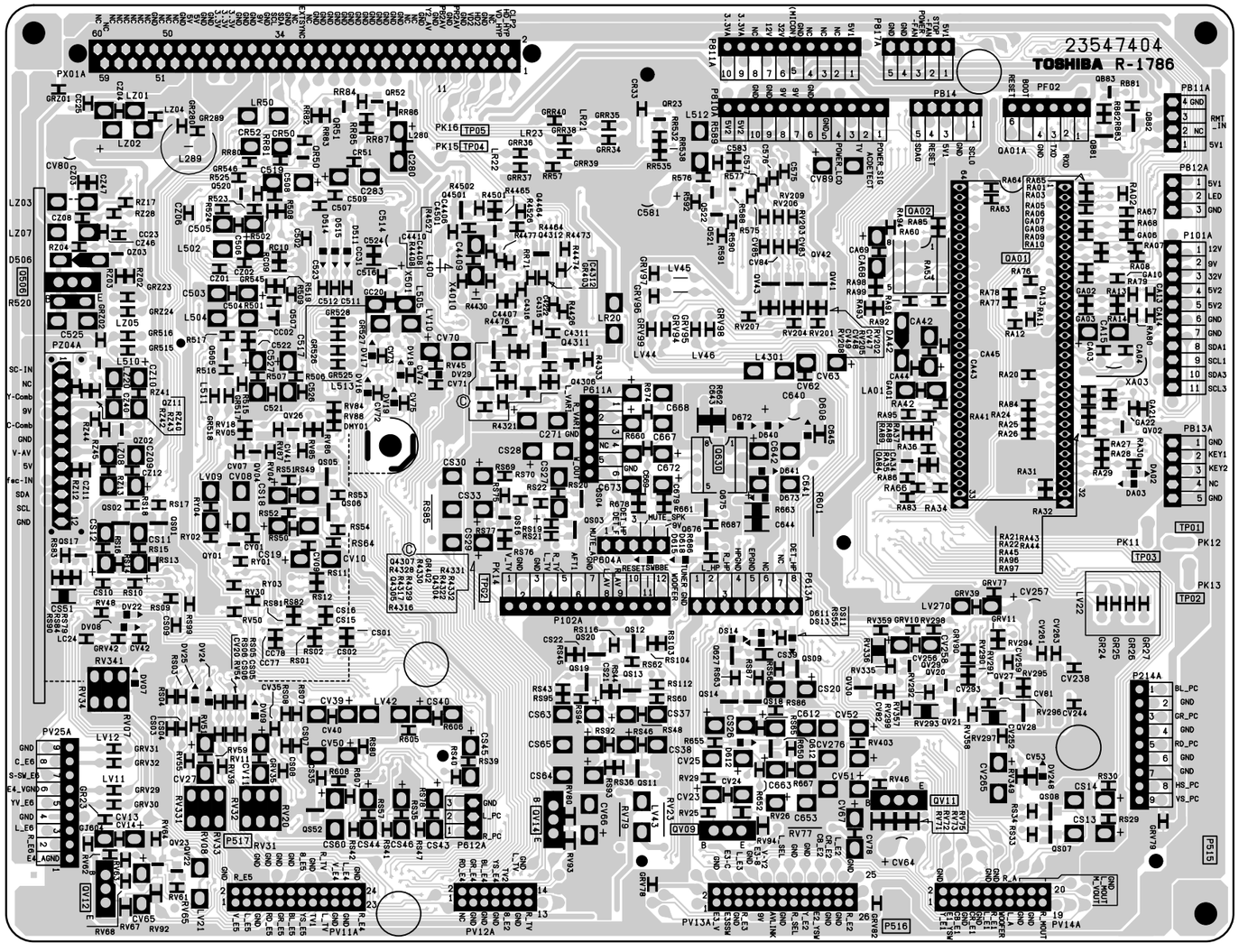
Location No.	Parts No.	Description
D656	23316604	DIODE, ZENER, MA8150-M, TX
D657	23316573	DIODE, ZENER, MA8062-L
D672	23316231	DIODE, 1SS355
D673	23316231	DIODE, 1SS355
D4404	23118529	DIODE, ZENER, RD5.6ES B2
DA02	23316231	DIODE, 1SS355
DA03	23316231	DIODE, 1SS355
DA42	23316673	DIODE, ZENER, MTZJ5.6C
DB01	23358564	DIODE, LED, SLR-56VC3FPQ
DB01A	23528275	HOLDER, LED PWR, 14LS10
DB02	23358563	DIODE, LED, SLR-56MC3FPQR
DB02A	23528275	HOLDER, LED PWR, 14LS10
DM11	23357220	DIODE, RB521S-30
DM12	23357220	DIODE, RB521S-30
DMY01	24000445	CHIP JUMPER, 1608TYPE
DMY02	24000445	CHIP JUMPER, 1608TYPE
DR70	23357037	DIODE, ZENER, UDZS5.6B
DR71	23357037	DIODE, ZENER, UDZS5.6B
DS01	23357172	DIODE, ZENER, UDZS10B
DS02	23357172	DIODE, ZENER, UDZS10B
DS03	23357172	DIODE, ZENER, UDZS10B
DS04	23357172	DIODE, ZENER,
DS11	23316231	DIODE, 1SS355
DS13	23316231	DIODE, 1SS355
DS14	23316231	DIODE, 1SS355
DS102	23316571	DIODE, ZENER, MA8056-M
DV02	23357172	DIODE, ZENER, UDZS10B
DV04	23357172	DIODE, ZENER, UDZS10B
DV05	23357172	DIODE, ZENER, UDZS10B
DV06	23357172	DIODE, ZENER, UDZS10B
DV07	23357172	DIODE, ZENER, UDZS10B
DV08	23357172	DIODE, ZENER, UDZS10B
DV09	23357172	DIODE, ZENER, UDZS10B
DV11	23357172	DIODE, ZENER, UDZS10B
DV12	23357172	DIODE, ZENER, UDZS10B
DV14	23357171	DIODE, ZENER, UDZSTE-17 9.1B
DV15	23357172	DIODE, ZENER, UDZS10B
DV16	23357037	DIODE, ZENER, UDZS5.6B
DV17	23357037	DIODE, ZENER, UDZS5.6B
DV18	23357037	DIODE, ZENER, UDZS5.6B
DV19	23357037	DIODE, ZENER, UDZS5.6B
DV20	23357037	DIODE, ZENER, UDZS5.6B
DV21	23357037	DIODE, ZENER, UDZS5.6B
DV22	23357172	DIODE, ZENER, UDZS10B
DV31	23357172	DIODE, ZENER, UDZS10B
DV120	23118529	DIODE, ZENER, RD5.6ES B2
DV244	23357172	DIODE, ZENER, UDZS10B
DV245	23357172	DIODE, ZENER, UDZS10B
DV246	23357172	DIODE, ZENER, UDZS10B
DV247	23357172	DIODE, ZENER, UDZS10B
DV248	23357172	DIODE, ZENER, UDZS10B
DV249	23357172	DIODE, ZENER, UDZS10B
DV250	23357172	DIODE, ZENER, UDZS10B
DV254	23357172	DIODE, ZENER, UDZS10B
KB01	23000852	IC, REMOTE PHOTO RECEIVER, PIC-37043TE2
MISCELLANEOUS		
B001	23301535	LCD MODULE, LTA320W1-L04, 32L4000
H002	23148733	MODULE, NICAM/IGR A-PRO, MPSN11B
M002	23725037	PLUG WITH CABLE 20P 300MM
MZ01	23368859	CABLE, LVDS 31P 320MM
P101A	23367071	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B11B-EH-F1A
P101B	23367071	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B11B-EH-F1A
P102A	23367072	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B12B-EH-F1A
P102B	23367072	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B12B-EH-F1A
P214A	23367069	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A
P601	23368578	CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4
P604A	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
P604B	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4

Location No.	Parts No.	Description
P610A	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
P610B	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
P611A	23368580	CONNECTOR, PLUG 6P, 2.5MM G JST-EH B6B-EH-F1-TV4
P611B	23368580	CONNECTOR, PLUG 6P, 2.5MM G JST-EH B6B-EH-F1-TV4
P612A	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
P612B	23368584	CONNECTOR, PLUG, 3P2.5MM W EH-JST S3B-EH
P613A	23367068	CONNECTOR, PLUG 8P, 2.5MM G JST-EH B8B-EH-F1-TV4
P613B	23367068	CONNECTOR, PLUG 8P, 2.5MM G JST-EH B8B-EH-F1-TV4
P661	23365500	EARPHON JACK
P662	23365500	EARPHON JACK
P801A	23372011	POWER CORD, CEE, VOLEX
	23372011	POWER CORD, CEE, VOLEX
P801B	23372246	POWER CORD, SAA AC250V 7.5A
P801C	23372208	POWER CORD, UK-HK-PSB 10A 250V MP5004A PSB
	23372208	POWER CORD, UK-HK-PSB 10A 250V MP5004A PSB
P809A	23367068	CONNECTOR, PLUG 8P, 2.5MM G JST-EH B8B-EH-F1-TV4
P810A	23367072	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B12B-EH-F1A
P811A	23367070	PLUG , NP 2.5MM G JST-EH B10B-EH-F1A
P817A	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
PB11A	23368578	CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4
PB11B	23368578	CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4
PB12A	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
PB12B	23368584	CONNECTOR, PLUG, 3P2.5MM W EH-JST S3B-EH
PB13A	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
PB14	23368579	CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4
PF02	23368580	CONNECTOR, PLUG 6P, 2.5MM G JST-EH B6B-EH-F1-TV4
PH01	23902604	SOCKET
PH02	23902604	SOCKET
PH03	23902604	SOCKET
PP02	23974994	KESSOKU BAND L100 T18R
PV01	23023101	JACK, PIN 1S9P SMK LAP5030-0307G
PV02	23023102	JACK, PIN 6P SMK LAP5030-0204G
PV03	23023103	JACK, PIN 6P SMK LAP5030-0205G
PV13	23368673	PLUG, 2MM 26P JST PHD-TOP B26B-PHDSS
PV13A	23368673	PLUG, 2MM 26P JST PHD-TOP B26B-PHDSS
PV25A	23367069	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A
PV25B	23367069	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A
PV60	23365819	JACK, 1S3P
PV90	23368117	CONNECTOR, (D-SUB SOCKET 15P) KRD-8622
PX01	23903176	SOCKET, 60P TKD, 136901160W4
PX01A	23903176	SOCKET, 60P TKD, 136901160W4
PY02	23148074	SCAN CONVERTER MODUL, G.HYPER MVPE43
PZ04A	23902781	CONNECTOR, SOCKET, B-B 12P 2.5MM JST
PZ04B	23368531	CON PLUG B-B 12P2.5MM JST, CONNECTOR12P
S801	23344483	SWITCH, ESB92S NAE
SA01	23145430	SWITCH, PUSH, SKHHLMA010
SA02	23145430	SWITCH, PUSH, SKHHLMA010
SA03	23145430	SWITCH, PUSH, SKHHLMA010
SA04	23145430	SWITCH, PUSH, SKHHLMA010
SA06	23145430	SWITCH, PUSH, SKHHLMA010
SA07	23145430	SWITCH, PUSH, SKHHLMA010
⚠ UF01	23125908	FAN, DCFAN 12V 60MM
W661	23351219	SPEAKER, 50X90 16-OHM 5W
W662	23351223	SPEAKER, WF 50X90 16-OHM
X501	23153438	CRYSTAL, 16.200 25PPM 25OHM
X4010	23153721	CERAMIC RESONATOR, 503KHZ
XA03	23153394	CRYSTAL
XF01	23153552	CRYSTAL RESONATOR, 6MHZ 50PPM CRYSTAL
XM01	23153569	CERAMIC RESONATOR, 4.19MHZ
⚠ ZA01	23103778	FERRITE-HF70-26X29X13
ZA02	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
⚠ ZA03	23103840	FERRITE CORE 35X20X17
ZA04	23103914	FERRITE CORE 15X22X
ZD01	24019443	CHIP JUMPER, BLOCK P-8
ZD02	24019443	CHIP JUMPER, BLOCK P-8
ZD07	24019443	CHIP JUMPER, BLOCK P-8
ZD08	24019443	CHIP JUMPER, BLOCK P-8
ZD15	24019443	CHIP JUMPER, BLOCK P-8
ZD17	24019443	CHIP JUMPER, BLOCK P-8

Location No.	Parts No.	Description
ZS01	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS02	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS03	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS04	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS05	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS06	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS07	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS08	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS09	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS10	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS17	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZS18	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
ZY02	23148747	MODULE, MYCJ32, 3D-YCS COMB
PC BOARD ASSEMBLIES		
* U001A	75000524	SIGNAL BOARD, PD1372A-1
* U001B	75000525	TIF-MA BOARD, PD1372A-2
* U002A	75000526	BACK/AV BOARD, PD1373A-1
* U002B	75000527	A-OUT BOARD, PD1373A-2
* U004	75000514	M2/TEXT BOARD, PD1343A1
* U005A	75000528	FRONT/AV BOARD, PD1384A-1
* U005B	75000529	KEY BOARD, PD1384A-2
* U005C	75000530	LED/RMT BOARD, PD1384A-3
* U005D	75000531	PC INPUT BOARD, PD1384A-4
* U005E	75000532	POW SW BOARD, PD1384A-5
* U005F	75000533	3D YCS BOARD, PD1384A-6
* U005G	75000534	G-HYPER BOARD, PD1384A-7
* U800	23122440	UNIT,POWER SWITCHING BOARD,MPF3602-1
* U801	23122441	UNIT,POWER DCDC BOARD, MPF3602-2
TUNER		
H001	23321398	TUNER, TADF4-003A, EURO IF ALPS
ACCESSORIES		
A401	23946667	PACKING, SET 32HL83
A401	23946667	PACKING, SET 32HL83
A402	23067485	CARTON, BOX 32WL36P
A404	23518043	PACKING, JOINT 32Z5P
K902	23306469	REMOCON HAND UNIT IR, PDP
Y101	23566022	OWNER'S MANUAL, EFGISDP
Y101	23566233	OWNERS MANUAL, EFDSIPNCTA
Y101	23566233	OWNERS MANUAL, EFDSIPNCTA
Y109	23945015	POLYETHYLENE BUKUR250X400
Y170	23845800	LEAD CLIP D6.8
CABINET PARTS		
⚠ A101	23450763	PANEL, FRONT ASSY 32WL36P
A101B	23527316	GRILLE, SPEAKER
A103	23450765	PANEL, PC JACK 32WL36P
A107	23727006	SCREW, BUSHING
A108	23035412	SCREW, BTB4X12 SZN
A109	23929028	PIECE, CONTROL BOX KEY RE
A110	23929043	PIECE, CONT BOX KEY FRONT
A111	23929044	PIECE, CONT BOX KEY COV A
A112	23929031	PIECE, CONTROL BOX AV REA
A113	23929045	PIECE, CONT BOX AV FRONT
A114	23929046	PIECE, CONT BOX AV COV AS
A118	23421672	CAP (KNOB)
⚠ A201	23532370	COVER, BACK ASSY 32WL36P
A201B	23445776	BUTTON, POWER
A203	23950113	CD BANGOOHYO
A367	23845800	LEAD CLIP D6.8
A301G	23712412	PP4X.7X12SZN
A403	23945143	BAG, HOGOBUKURO 35P2700
A368	23421672	CAP (KNOB)

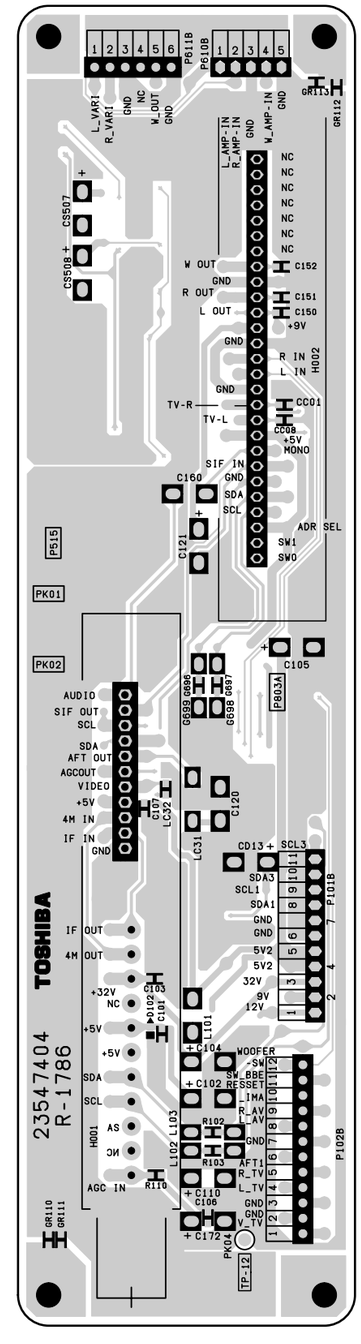
SIGNAL BOARD PD1372-1 (U001A)

BOTTOM (FOIL) SIDE



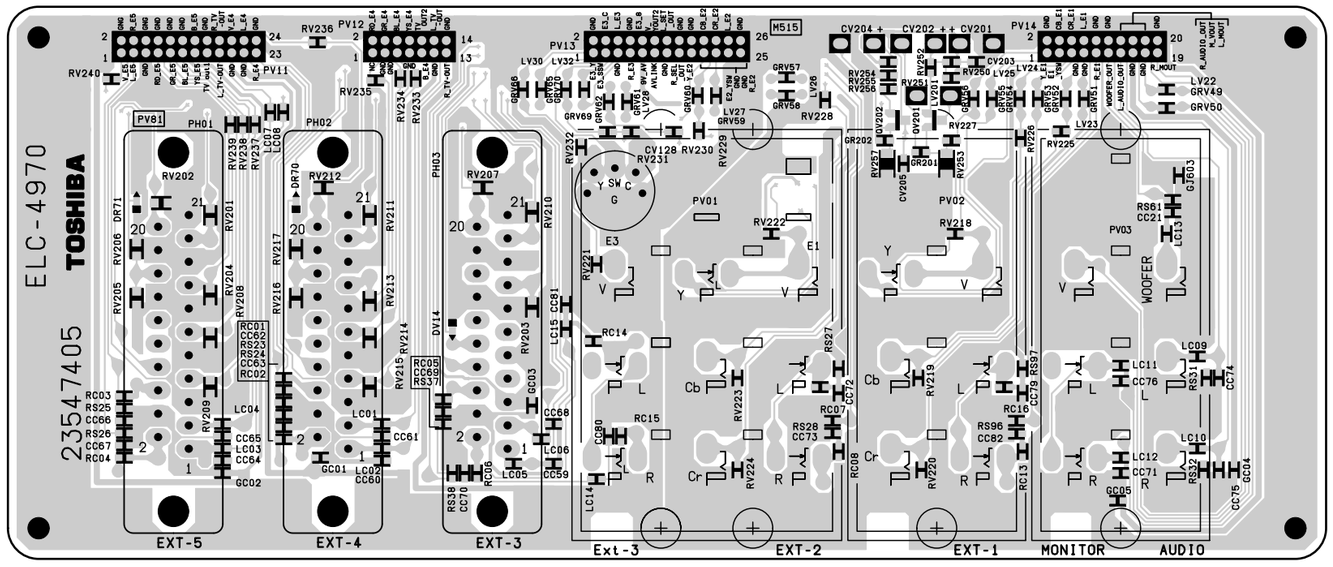
TIF-MA BOARD PD1372-2 (U001B)

BOTTOM (FOIL) SIDE



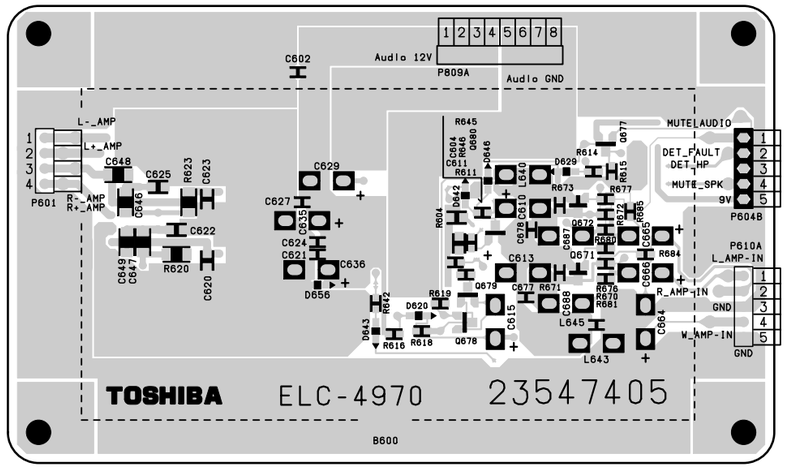
BACK/AV BOARD PD1373-1 (U002A)

BOTTOM (FOIL) SIDE



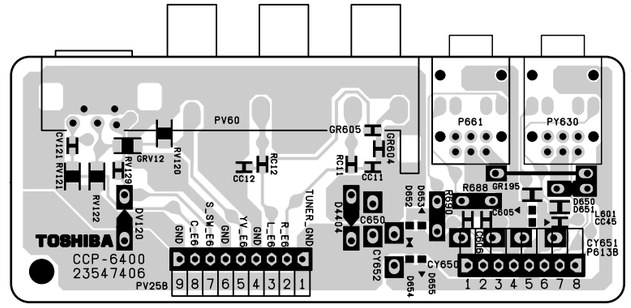
A-OUT BOARD PD1373-2 (U002B)

BOTTOM (FOIL) SIDE



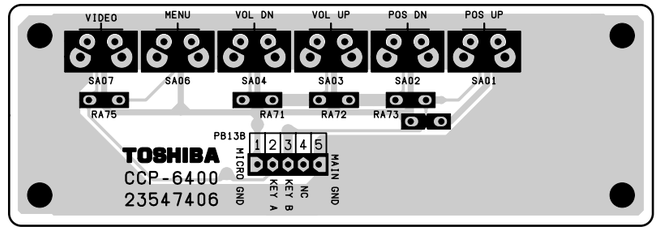
FRONT/AV BOARD PD1384-1 (U005A)

BOTTOM (FOIL) SIDE



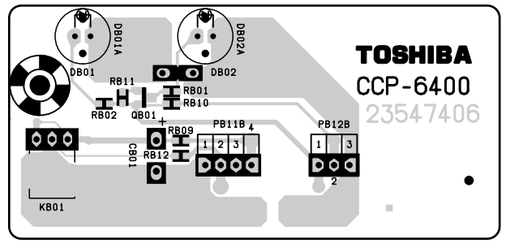
KEY BOARD PD1384-2 (U005B)

BOTTOM (FOIL) SIDE



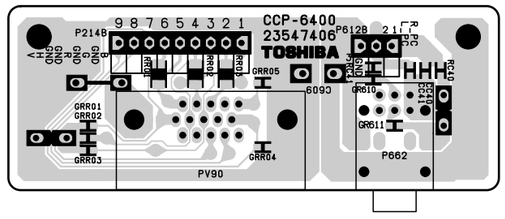
LED/RMT BOARD PD1384-3 (U005C)

BOTTOM (FOIL) SIDE



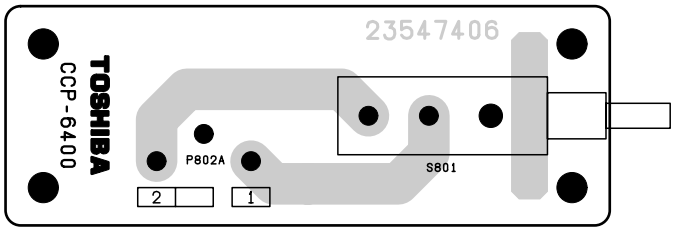
PC INPUT BOARD PD1384-4 (U005D)

BOTTOM (FOIL) SIDE



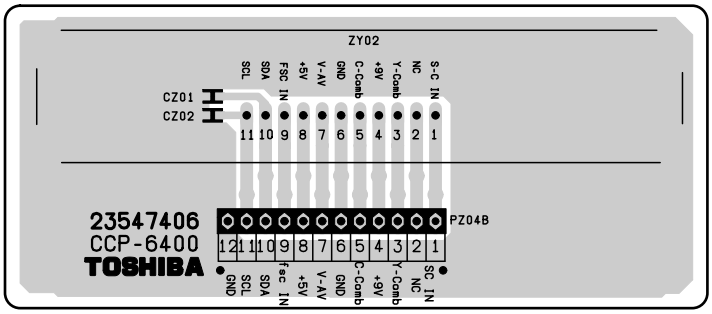
POWER SW BOARD PD1384-5 (U005E)

BOTTOM (FOIL) SIDE



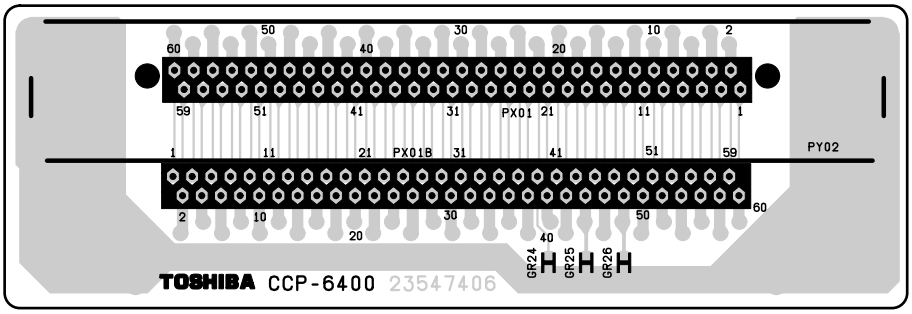
3D YCS BOARD PD1384-6 (U005F)

BOTTOM (FOIL) SIDE



G-HYPER BOARD PD1384-7 (U005G)

BOTTOM (FOIL) SIDE



SCHEMATIC DIAGRAM

MODEL : 32WL36P

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

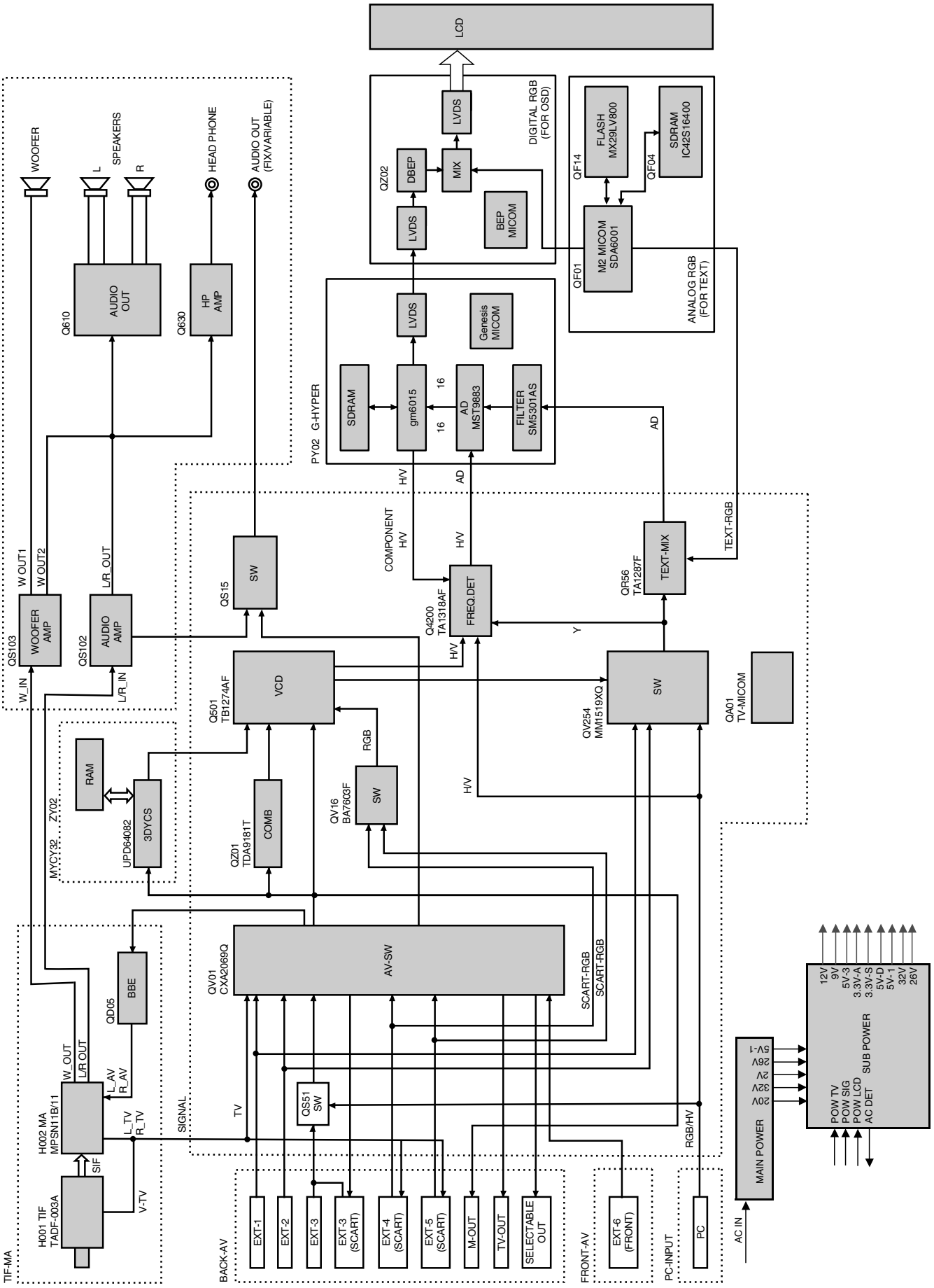
NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|(+)|— Electolytic capacitor —|(M)|— Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

■ SCHEMATIC DIAGRAM STRUCTURE:

- SIGNAL
  - (1/11) [SHEET - 1/11] 1/36
  - AV [SHEET - 2/11] 2/36
  - YPBPRSW [SHEET - 3/11] 3/36
  - MICON / TEXT [SHEET - 4/11] 4/36
  - V / C [SHEET - 5/11] 5/36
  - SIGNAL from AV [SHEET - 6/11] 6/36
  - PC AUDIO SWITCHING [SHEET - 7/11] 7/36
  - HP-AMP&MUTE [SHEET - 8/11] 8/36
  - MON OUTPUT [SHEET - 9/11] 9/36
  - COLOUR DIFFERENCE SWITCHING [SHEET - 10/11] 10/36
  - SYNC_SW [SHEET - 11/11] 11/36
- BACK / AV
  - AV TERMINAL [SHEET - 1/2] 12/36
  - AV from SIGNAL [SHEET - 2/2] 13/36
- SCALER
  - BLOCK DIAGRAM [SHEET - 1/9] 14/36
  - LVDS_IN [SHEET - 2/9] 15/36
  - DIGITAL RGB Pro. [SHEET - 3/9] 16/36
  - SUB MAICON [SHEET - 4/9] 17/36
  - OSD MIX [SHEET - 5/9] 18/36
  - OSD±MIX [SHEET - 6/9] 19/36
  - LVDS OUT [SHEET - 7/9] 20/36
  - (8/9) [SHEET - 8/9] 21/36
  - ANALOG OSD / TEXT [SHEET - 9/9] 22/36
- M2 / TEXT
  - (1/2) [SHEET - 1/2] 23/36
  - (2/2) [SHEET - 2/2] 24/36
- TIF-MA
  - TIF & MA [SHEET - 1/2] 25/36
  - AUDIO GAIN COMPENSATION [SHEET - 2/2] 26/36
- FRONT AV 27/36
- KEY 28/36
- LED RMT 29/36
- PC INPUT 30/36
- POWER SW 31/36
- 3D YCS 32/36
- G-HYPER 33/36
- A-OUT
  - (1/2) [SHEET - 1/2] 34/36
  - (2/2) [SHEET - 2/2] 35/36
- WIRING CONNECTION DIAGRAM 36/36

CIRCUIT BLOCK DIAGRAM



SPECIFICATIONS

LCD Colour TV

Model	32WL36P			
Power sour ce	110 - 240V AC, 50/60Hz			
Power consumption	185 W , 1.3 W (standby)			
Dimensions	1064mm (W) 606 mm (H) 151 mm (D)			
Mass (Weight)	33.0 kg			
Stereo	Nicam/MPX			
Speakers	50 x 90 mm 4 pcs.			
Broadcast systems/channels	PAL-I	UHF	UK21-UK69	
	PAL-B/G	UHF	E21-E69	
		VHF	E2-E12, S1-S41	
	SECAM-L	UHF	F21-F69	
		VHF	F2-F10, B-Q	
	SECAM-D/K	UHF	R21-R69	
		VHF	R1-R12	
Video input	PAL, SECAM, NTSC 3.58/4.43			
Aspect ratio	15 : 9			
Programme positions	100			
Audio power (at 10% distortion)	10 W + 10 W			
Input/Output terminals	EXT1	Input	Component video	Y, P_B/C $_B$, P_R/C $_R$
			Phono jacks	A/V
	EXT2	Input	Component video	Y, P_B/C $_B$, P_R/C $_R$
			Phono jacks	A/V
	EXT3	Input/Output	21-pin Scart	A/V , S-video, Selectable output
		Input	Mini DIN 4-pin	S-video
		Input	Phono jacks	A/V
	EXT4	Input/Output	21-pin Scart	RGB, A/V , TV signal
	EXT5	Input/Output	21-pin Scart	RGB, A/V , TV signal
	EXT6	Input	Mini DIN 4-pin	S-video
			Phono jacks	A/V
	RGB/PC	Input	Mini D-sub 15-pin	Analog RGB signal
	Audio Input		3.5 mm ster eo mini jack	
	Monitor Output		Phono jacks	A/V
	Audio Output		Phono jacks	Audio L + R (Fixed/V ariable)
	External W oofer Output		Phono jacks	Bass Line out (V ariable)
	Headphones jack		3.5 mm ster eo	

– END –

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

SCHEMATIC DIAGRAM

MODEL : 32WL36P

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   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
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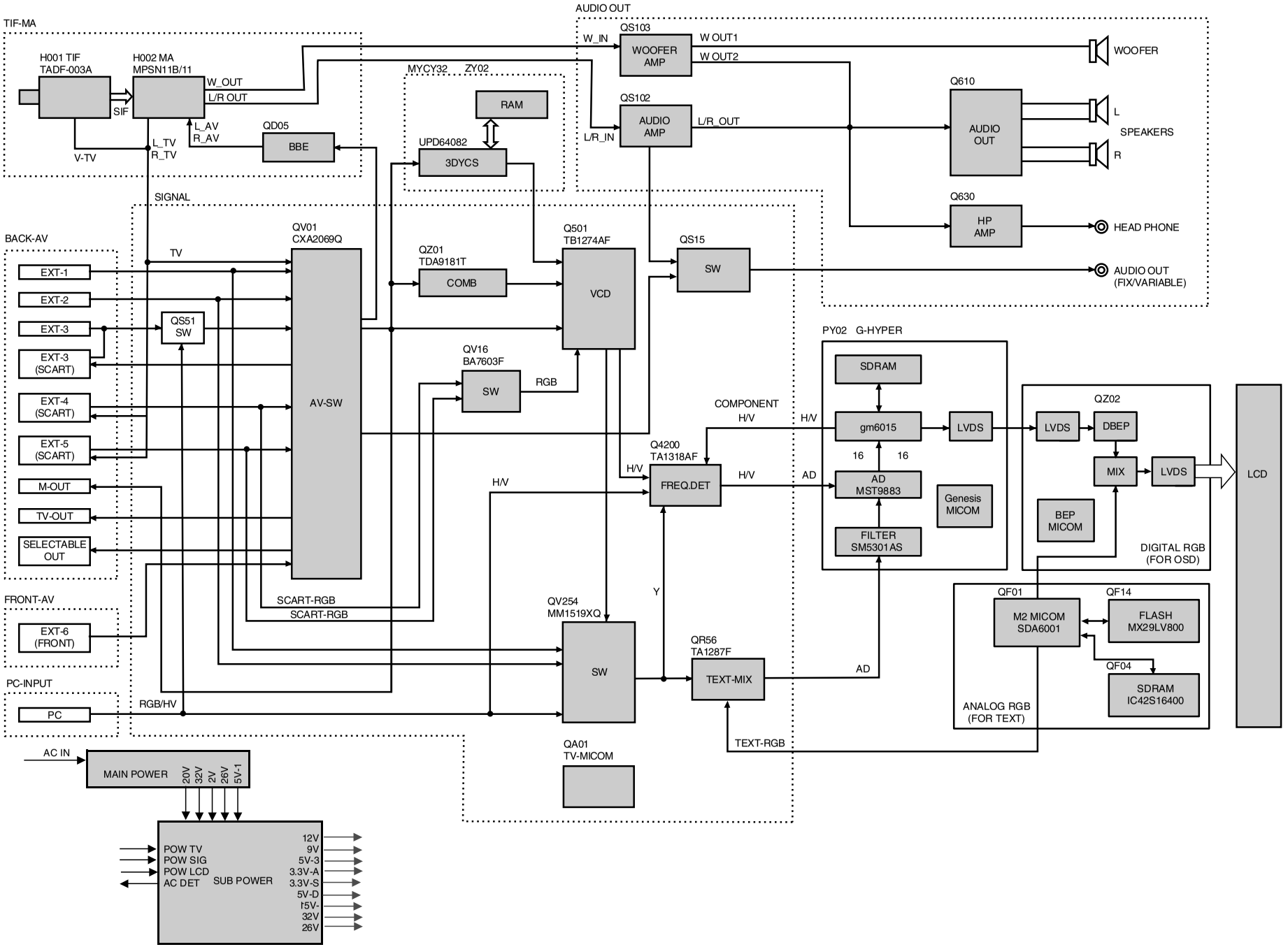
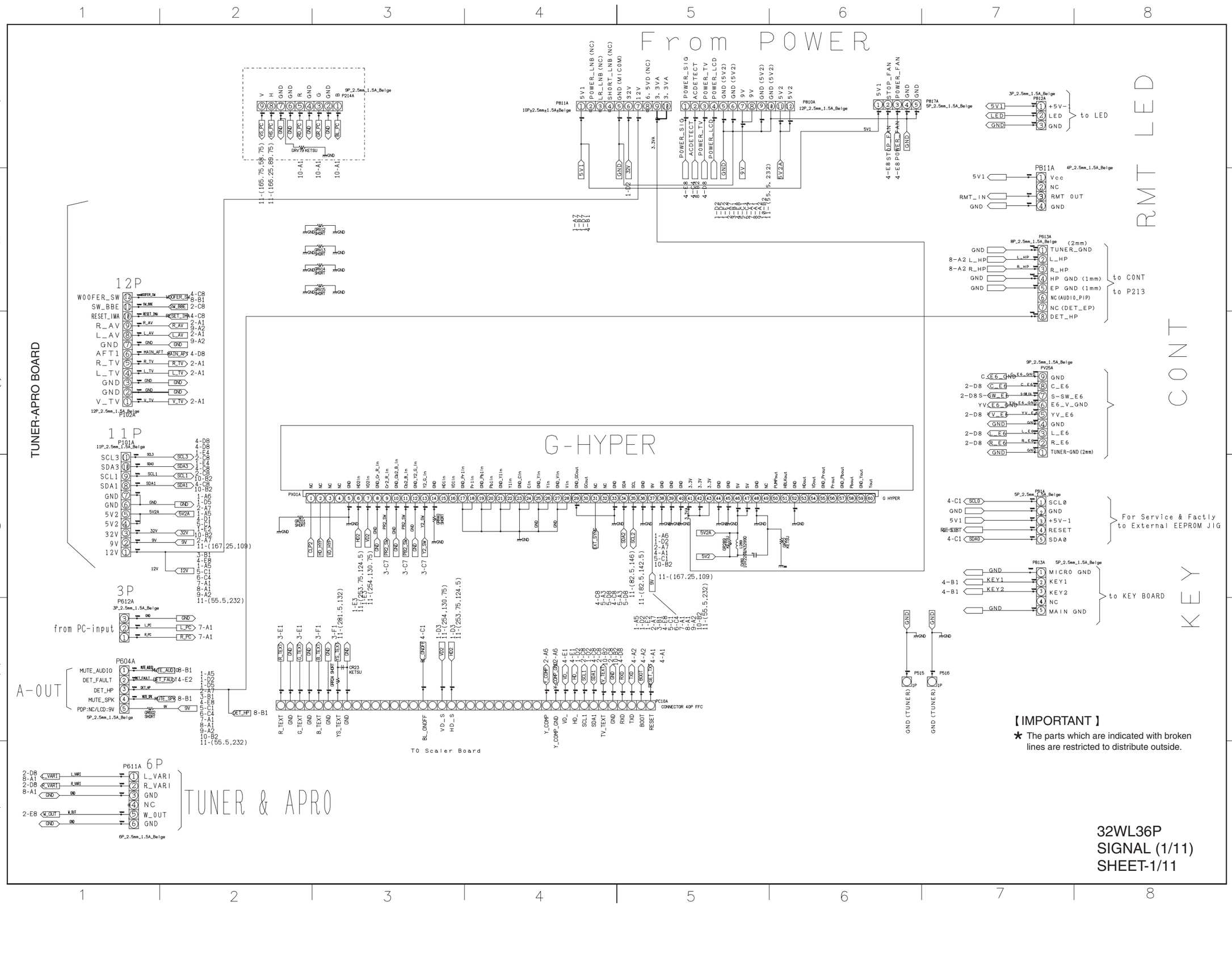
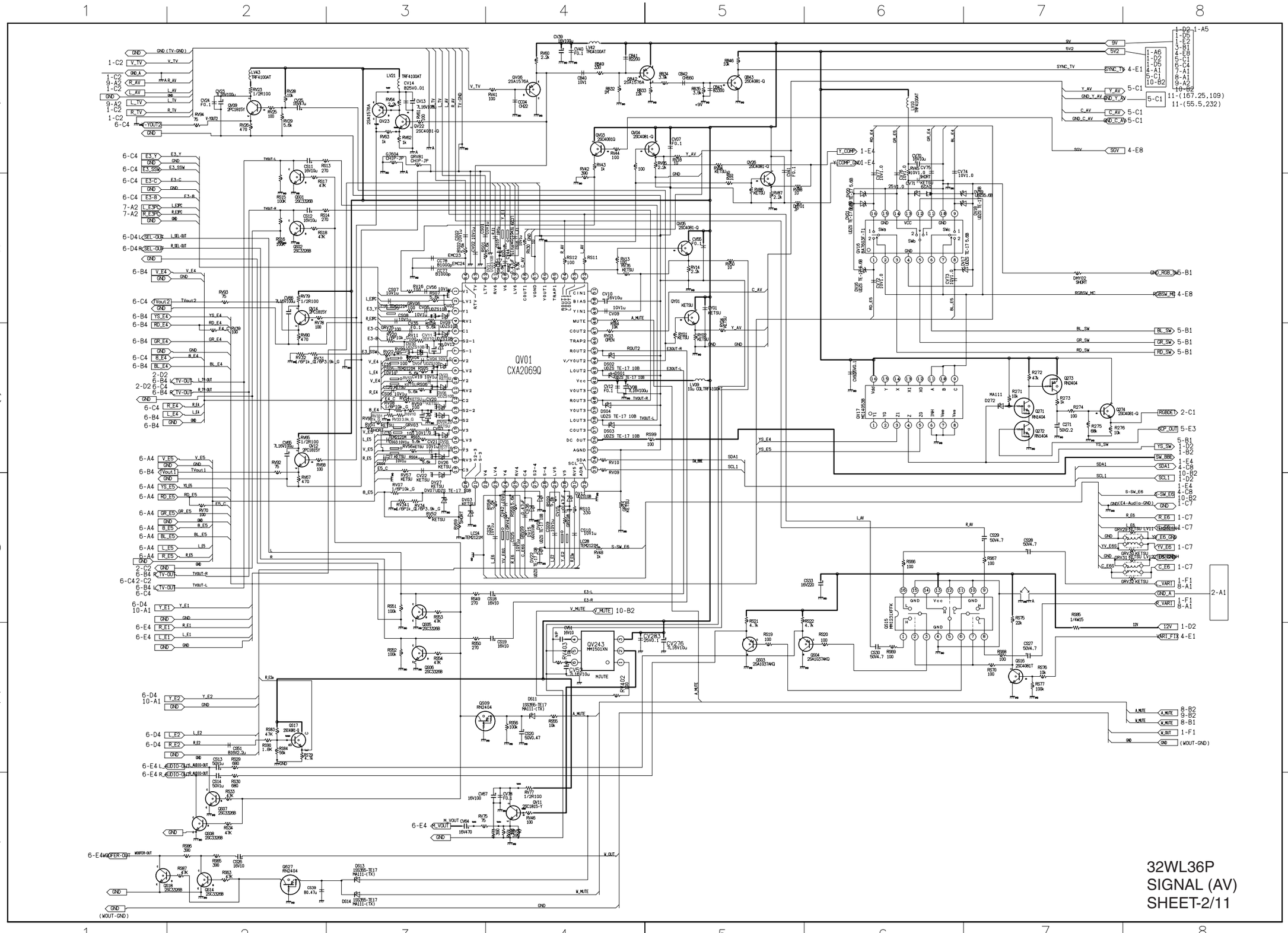
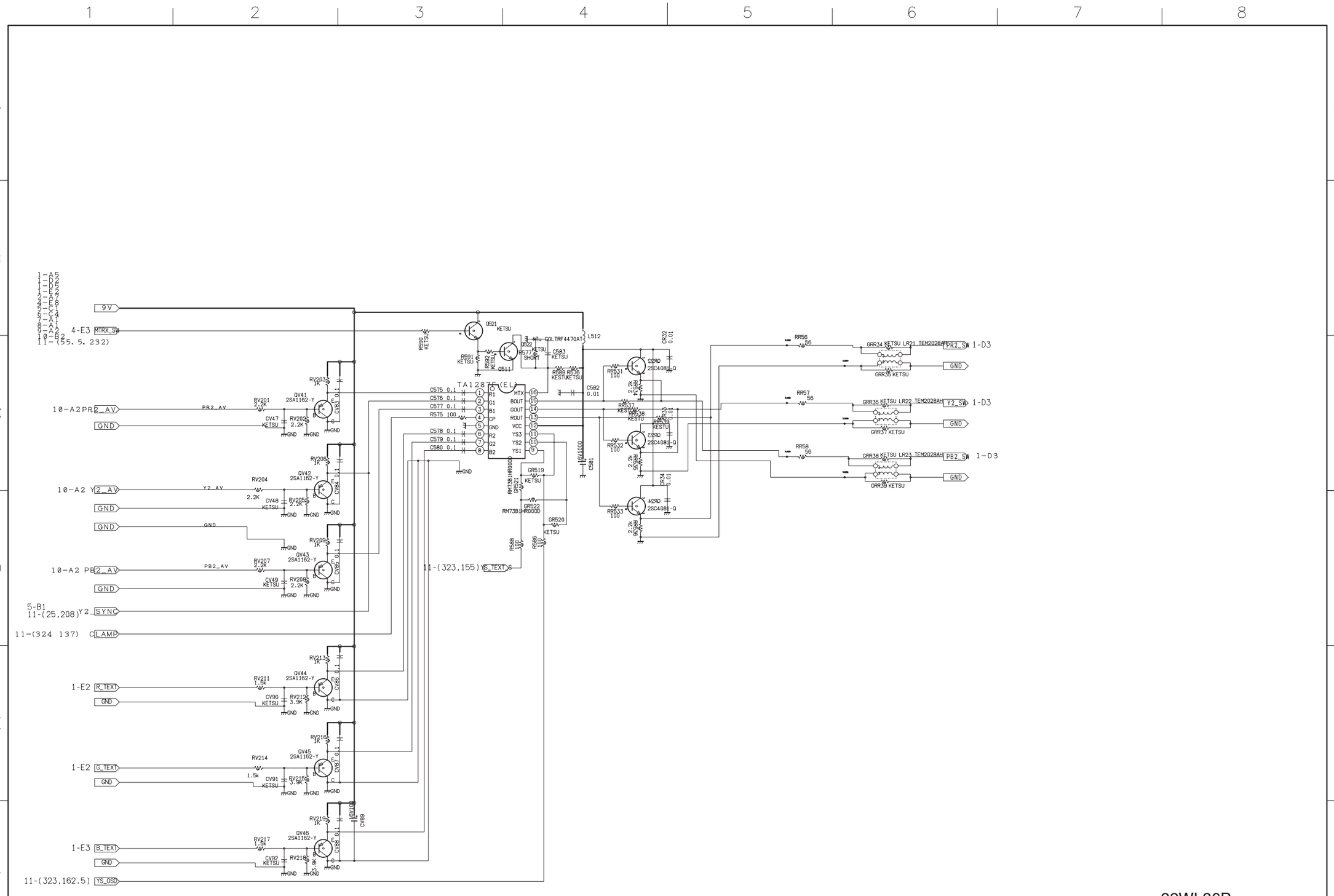
  - YPBPRSW [SHEET - 3/11] 3/36
  - MICON / TEXT [SHEET - 4/11] 4/36
  - V / C [SHEET - 5/11] 5/36
  - SIGNAL from AV [SHEET - 6/11] 6/36
  - PC AUDIO SWITCHING [SHEET - 7/11] 7/36
  - HP-AMP&MUTE [SHEET - 8/11] 8/36
  - MON OUTPUT [SHEET - 9/11] 9/36
  - COLOUR DIFFERENCE SWITCHING [SHEET - 10/11] 10/36
  - SYNC_SW [SHEET - 11/11] 11/36
- BACK / AV
  - AV TERMINAL [SHEET - 1/2] 12/36
  - AV from SIGNAL [SHEET - 2/2] 13/36
- SCALER
  - BLOCK DIAGRAM [SHEET - 1/9] 14/36
  - LVDS_IN [SHEET - 2/9] 15/36
  - DIGITAL RGB Pro. [SHEET - 3/9] 16/36
  - SUB MAICON [SHEET - 4/9] 17/36
  - OSD MIX [SHEET - 5/9] 18/36
  - OSD±MIX [SHEET - 6/9] 19/36
  - LVDS OUT [SHEET - 7/9] 20/36
  - (8/9) [SHEET - 8/9] 21/36
  - ANALOG OSD / TEXT [SHEET - 9/9] 22/36
- M2 / TEXT
  - (1/2) [SHEET - 1/2] 23/36
  - (2/2) [SHEET - 2/2] 24/36
- TIF-MA
  - TIF & MA [SHEET - 1/2] 25/36
  - AUDIO GAIN COMPENSATION [SHEET - 2/2] 26/36
- FRONT AV 27/36
- KEY 28/36
- LED RMT 29/36
- PC INPUT 30/36
- POWER SW 31/36
- 3D YCS 32/36
- G-HYPER 33/36
- A-OUT
  - (1/2) [SHEET - 1/2] 34/36
  - (2/2) [SHEET - 2/2] 35/36
- WIRING CONNECTION DIAGRAM 36/36

CIRCUIT BLOCK DIAGRAM

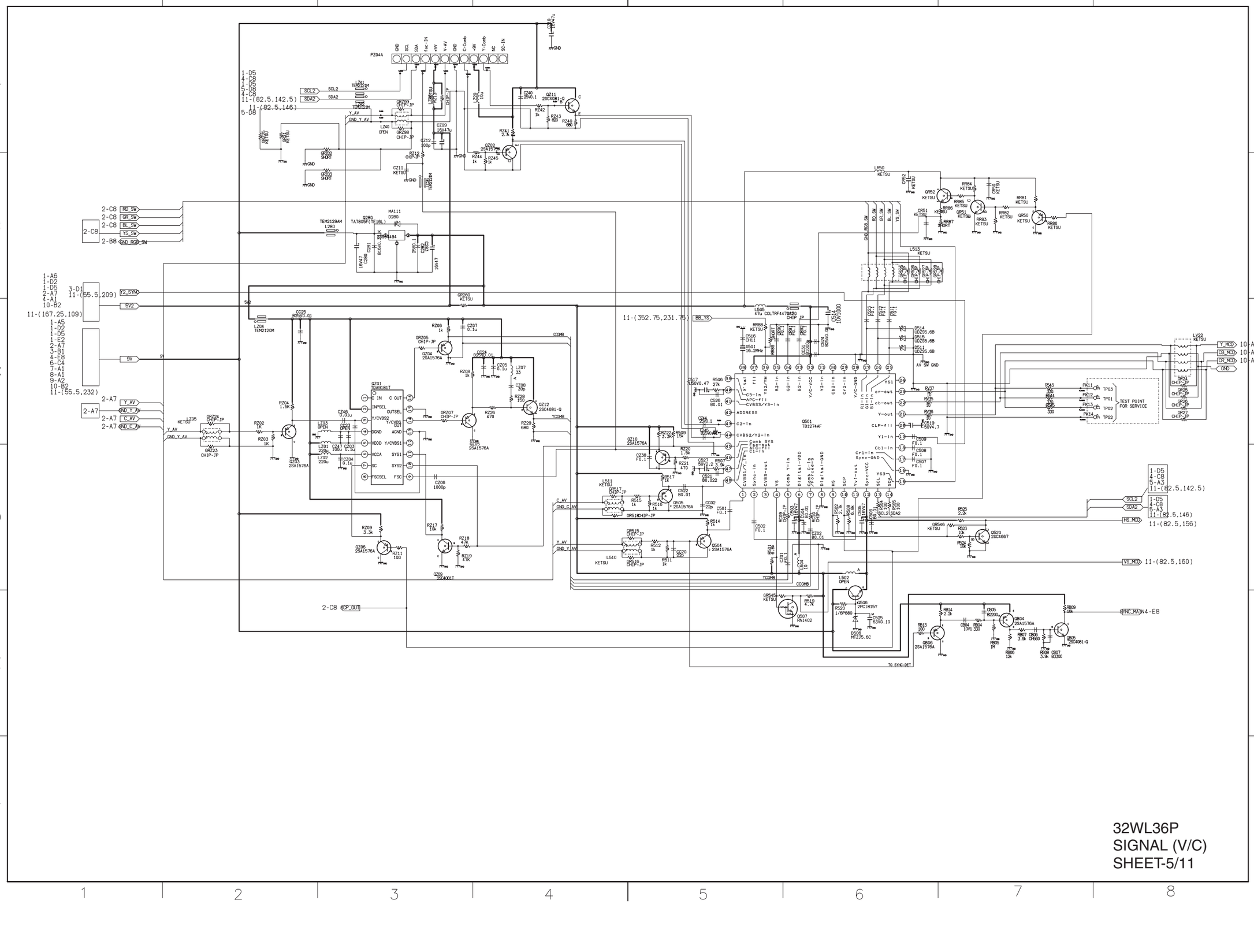


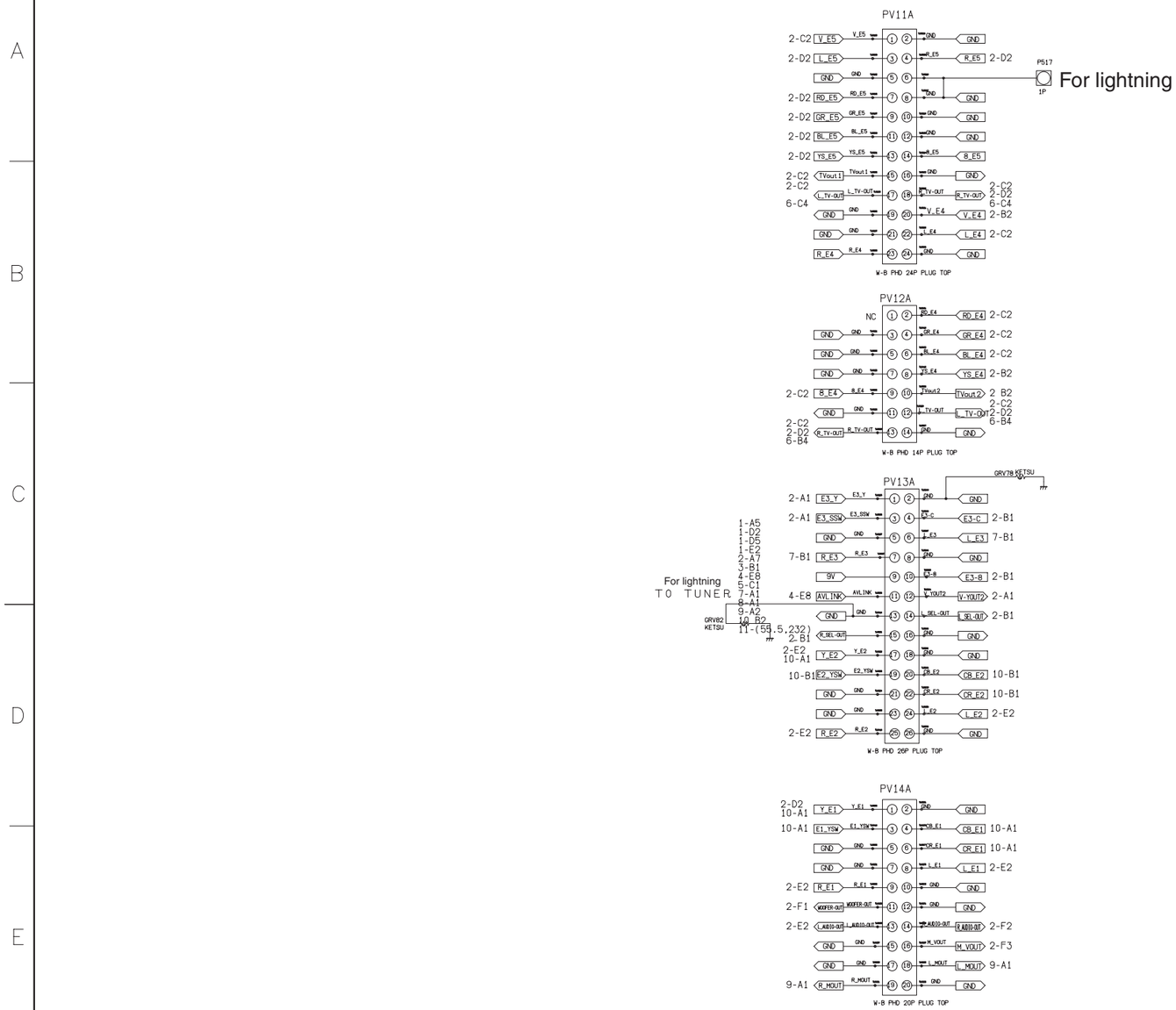

From POWER
RMT LED
CONT
TUNER-APRO BOARD
G-HYPER
T0 Scaler Board
A-OUT
TUNER & APRO
to LED
to CONT
to P213
For Service & Factly
to External EEPROM JIG
to KEY BOARD
KEY
12P
11P
3P
from PC-input
【IMPORTANT】
★ The parts which are indicated with broken lines are restricted to distribute outside.
32WL36P
SIGNAL (1/11)
SHEET-1/11


QV01
CXA2069Q
32WL36P
SIGNAL (AV)
SHEET-2/11


9V
MTRX_SW
4-E3
11-(55.5.232)
TA1287F(EL)
10-A2 PR2_AV
10-A2 Y2_AV
10-A2 PB2_AV
5-B1
11-(25,208) Y2_SYNC
11-(324 137) C_LAMP
1-E2 R_TEXT
1-E2 G_TEXT
1-E3 B_TEXT
11-(323,162.5) YS_OSD
11-(323,155) YS_TEXT
L512 47u GOLTRF4470AT
C582 0.01
C581 10V1000
R575 100
C575 0.1
C576 0.1
C577 0.1
C578 0.1
C579 0.1
C580 0.1
R590 KETSU
R591 KETSU
R592 KETSU
R577 SHORT
C583 KETSU
R589 R576 KETSU KETSU
Q521 KETSU
Q522 KETSU
Q511 KETSU
GR519 KETSU
GR520 KETSU
GR521 RM73B1HR000D
GR522 RM73B1HR000D
R588 100
R586 100
RR531 100
RR532 100
RR533 100
RR537 KETSU
RR538 KETSU
RR539 KETSU
2.2k
5K
CR32 0.01
CR33 0.01
CR34 0.01
2SC4081-Q
RR56 56
RR57 56
RR58 56
GRR34 KETSU LR21 TEM2028AH
GRR35 KETSU
GRR36 KETSU LR22 TEM2028AH
GRR37 KETSU
GRR38 KETSU LR23 TEM2028AH
GRR39 KETSU
PR2_SW
Y2_SW
PB2_SW
1-D3
GND
RV201 2.2K
RV202 2.2K
RV203 1K
RV204 2.2K
RV205 2.2K
RV206 1K
RV207 2.2K
RV208 2.2K
RV209 1K
RV211 1.5K
RV212 3.9K
RV213 1K
RV214 1.5k
RV215 3.9K
RV216 1K
RV217 1.5K
RV218 3K
RV219 1K
QV41 2SA1162-Y
QV42 2SA1162-Y
QV43 2SA1162-Y
QV44 2SA1162-Y
QV45 2SA1162-Y
QV46 2SA1162-Y
CV47 KETSU
CV48 KETSU
CV49 KETSU
CV90 KETSU
CV91 KETSU
CV92 KETSU
CV84 0.1
CV85 0.1
CV86 0.1
CV87 0.1
CV88 0.1
CV89 0.1
32WL36P
SIGNAL (YPBPRSW)
SHEET-3/11

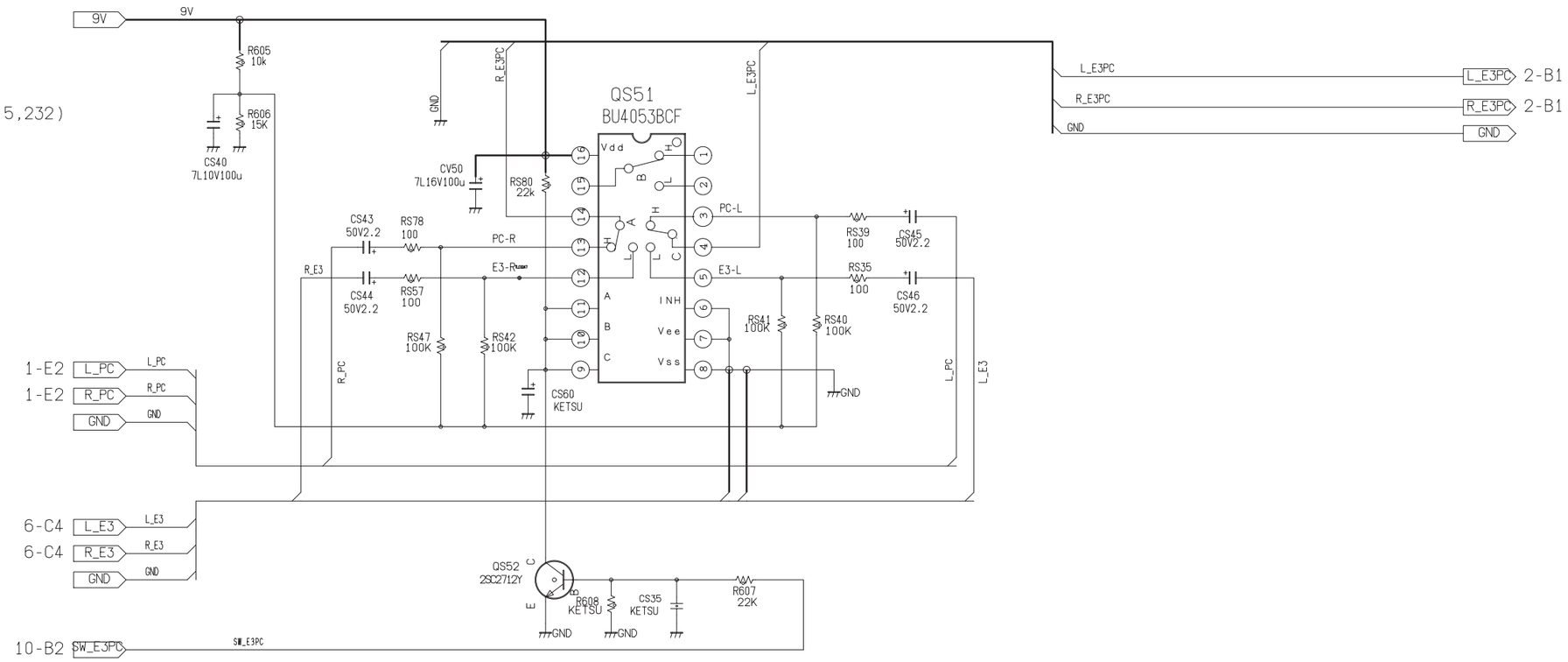
32WL36P
SIGNAL (MICON/TEXT)
SHEET-4/11


32WL36P
SIGNAL (V/C)
SHEET-5/11



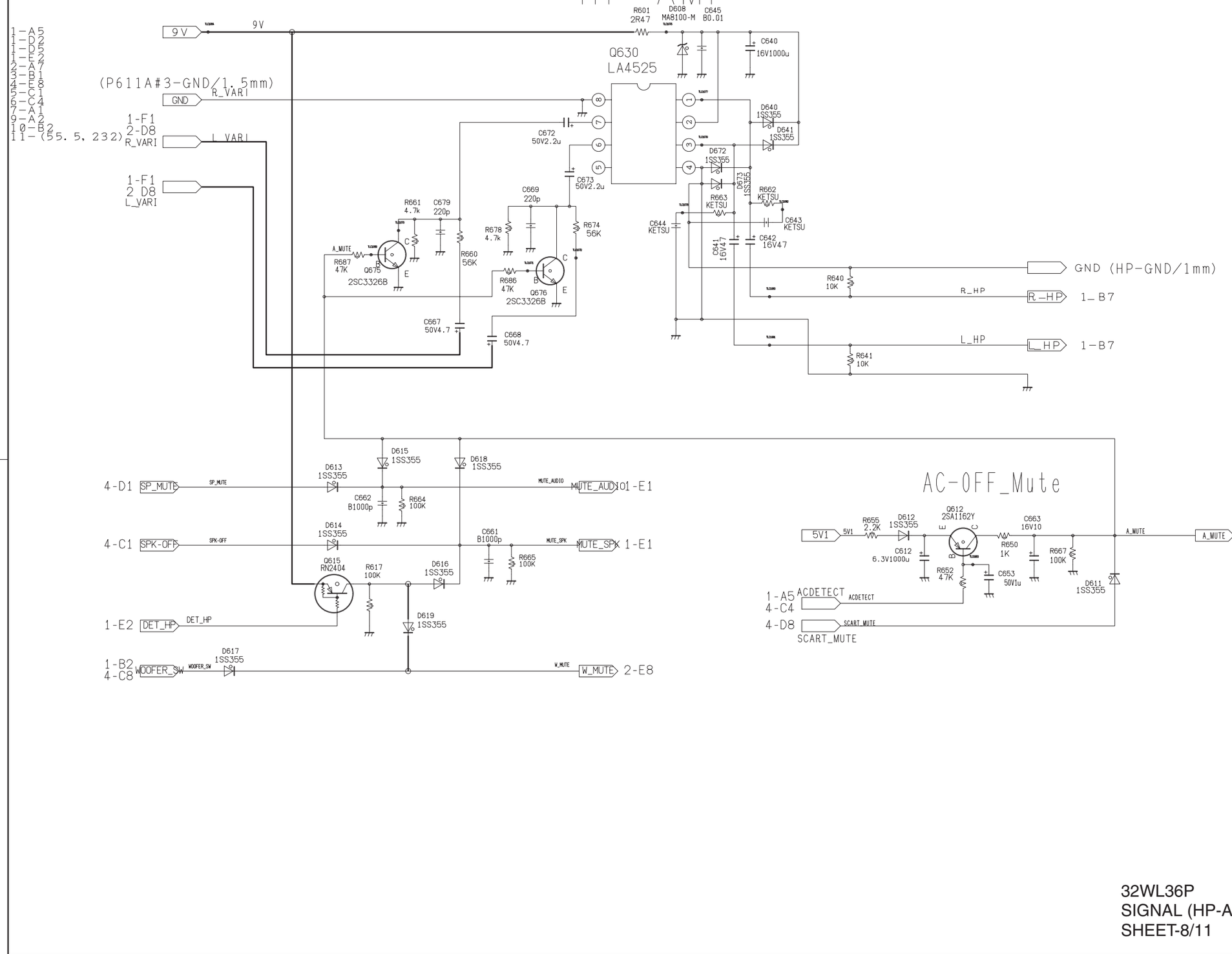
32WL36P
SIGNAL (SIGNAL from AV)
SHEET-6/11

1-A5
1-D2
1-D5
1-E2
2-A7
3-B1
4-E8
5-C1
6-C4
8-A1
9-A2
10-B2
11-(55.5,232)

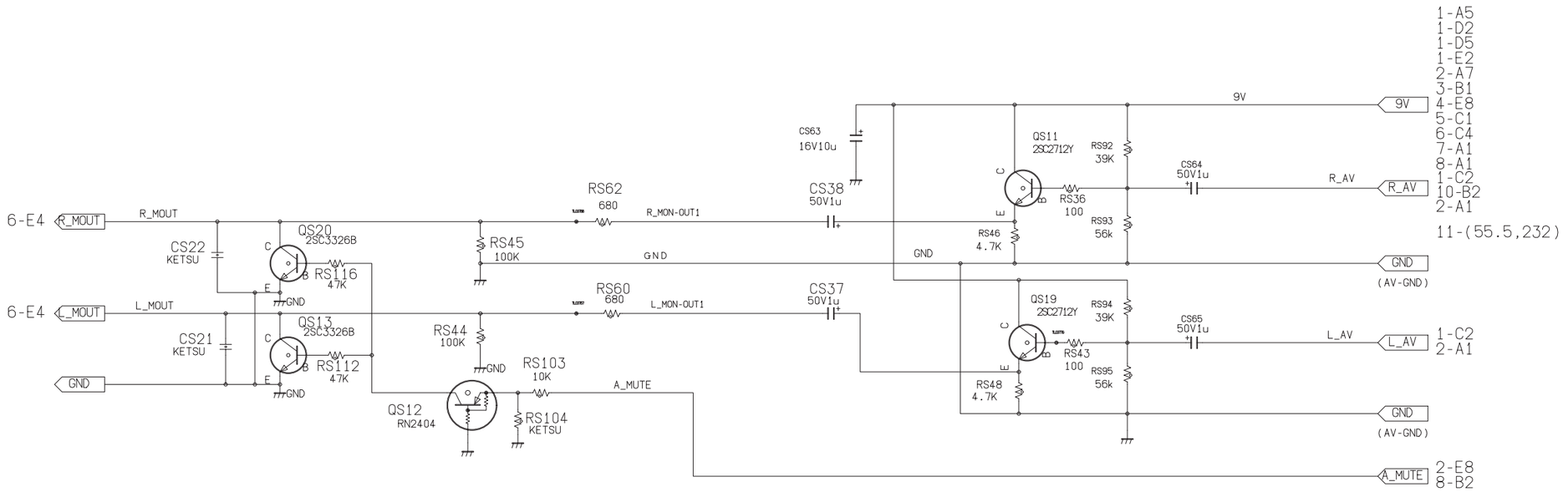


32WL36P
SIGNAL (PC AUDIO SWITCHING)
SHEET-7/11

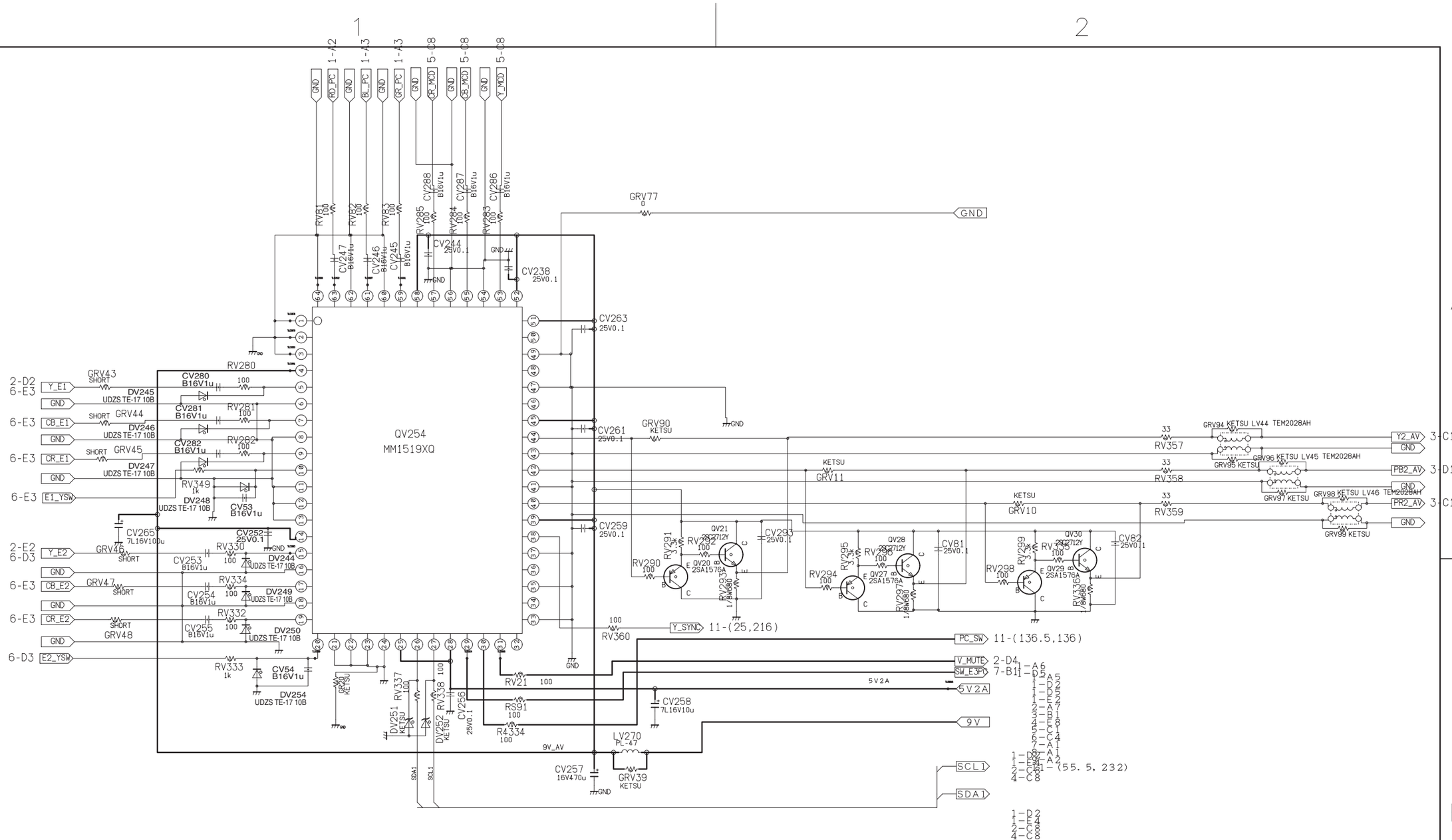
HP-AMP



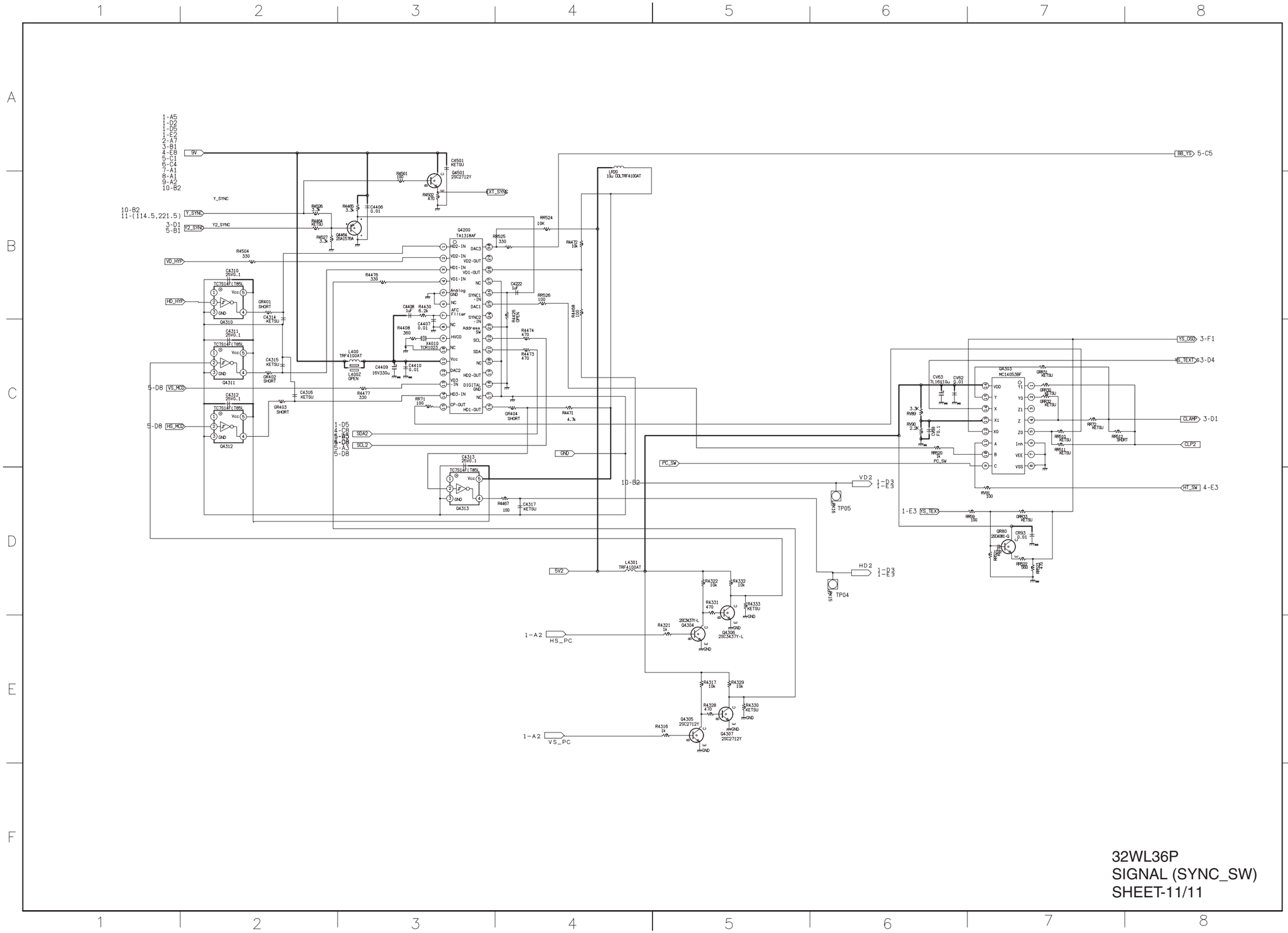
32WL36P
SIGNAL (HP-AMP&MUTE)
SHEET-8/11



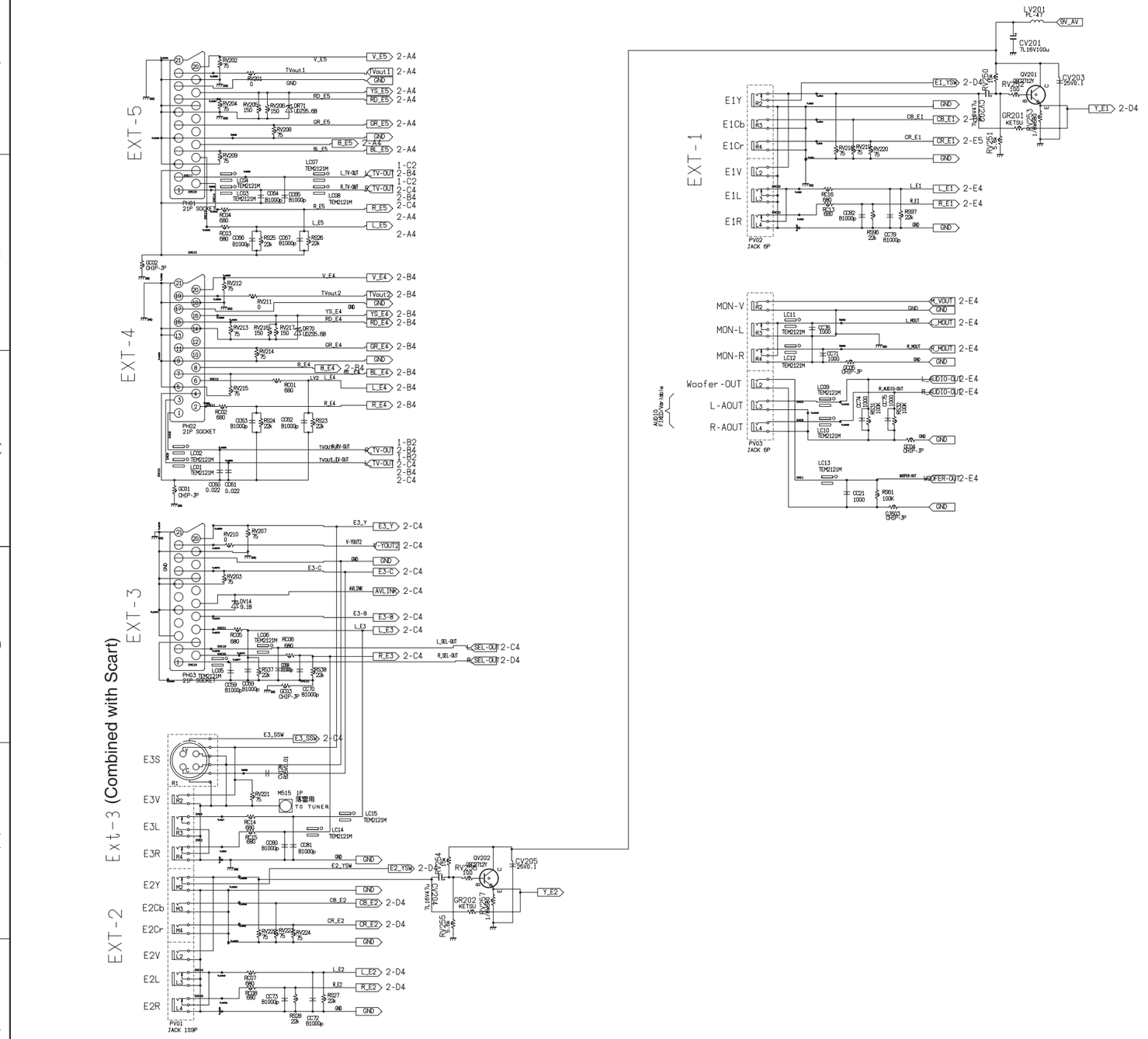
32WL36P
SIGNAL (MON OUTPUT)
SHEET-9/11



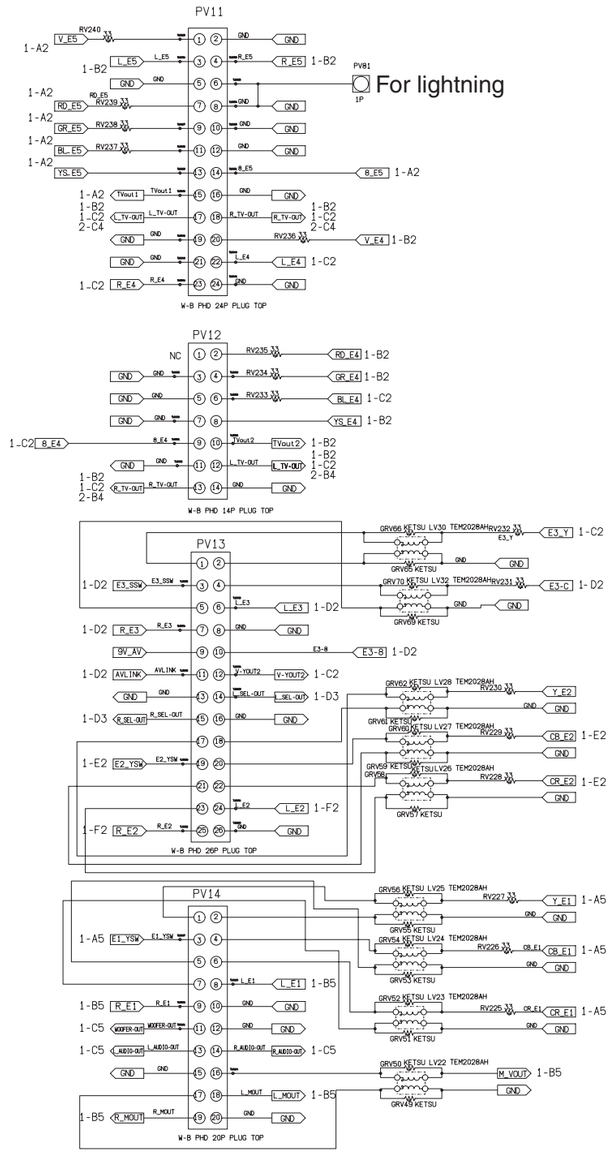
32WL36P
SIGNAL (COLOUR DIFFERENCE SWITCHING)
SHEET-10/11



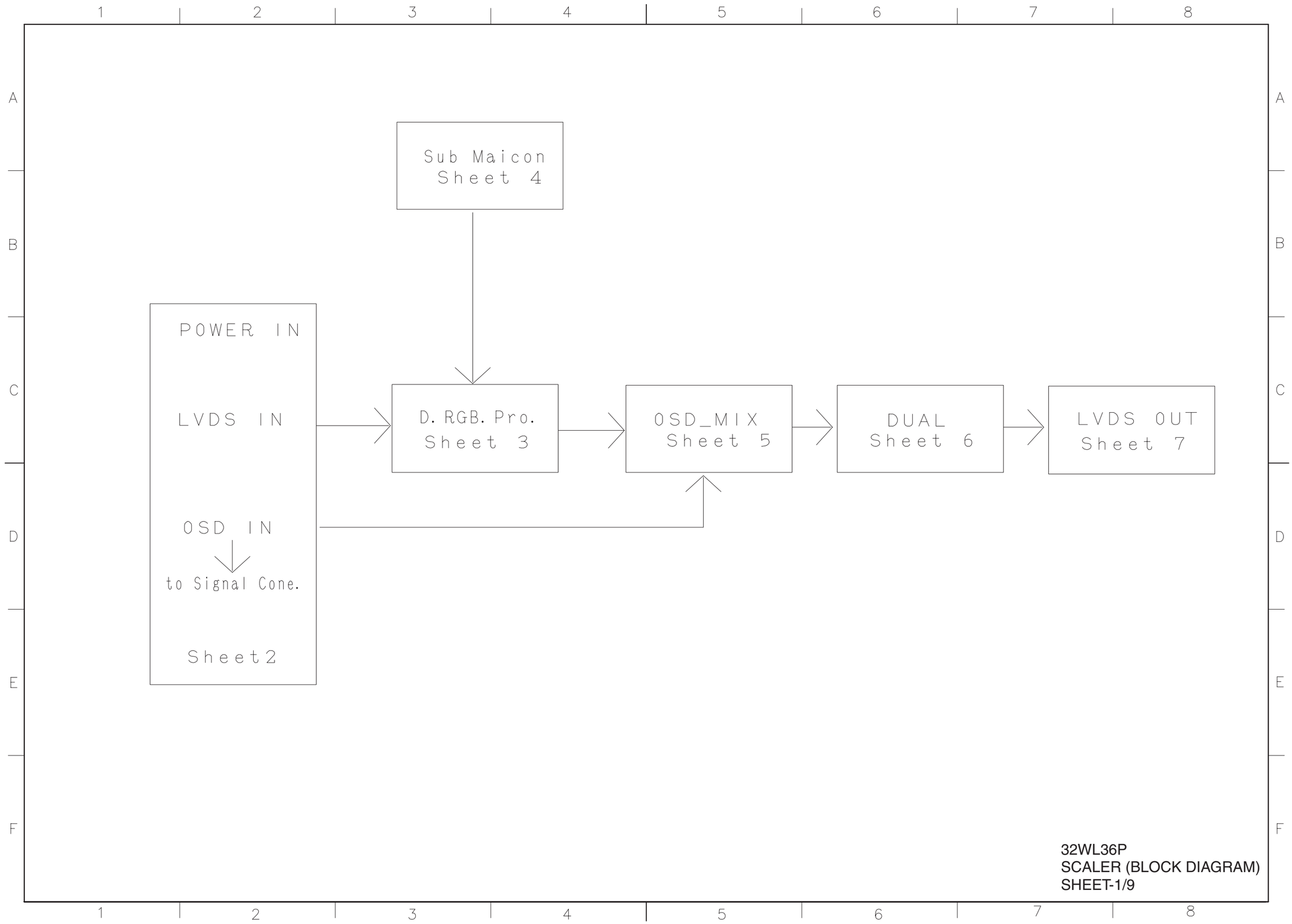
32WL36P
SIGNAL (SYNC_SW)
SHEET-11/11



32WL36P
BACK/AV (AV TERMINAL)
SHEET-1/2

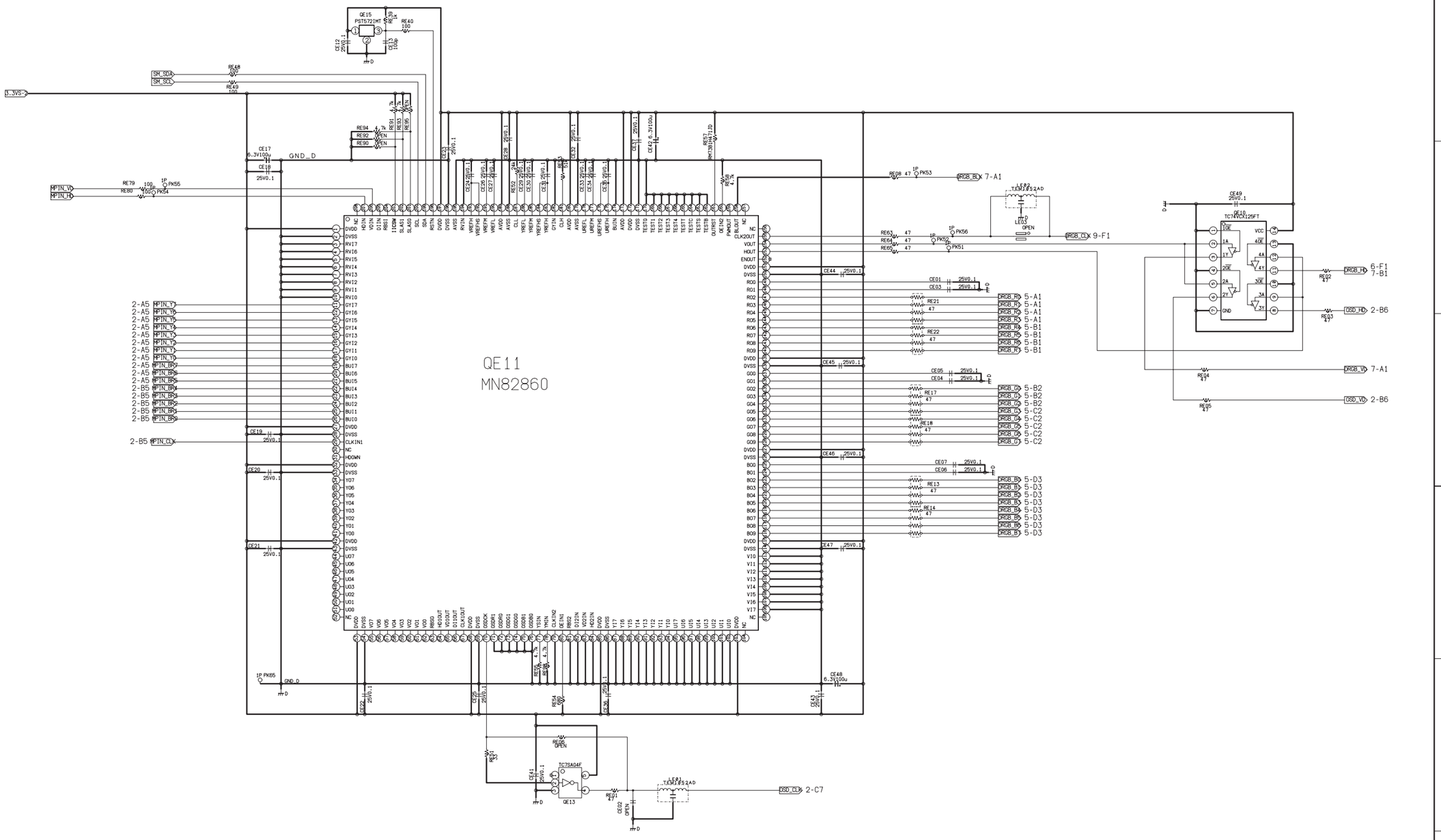


32WL36P
BACK/AV (AV from SIGNAL)
SHEET-2/2

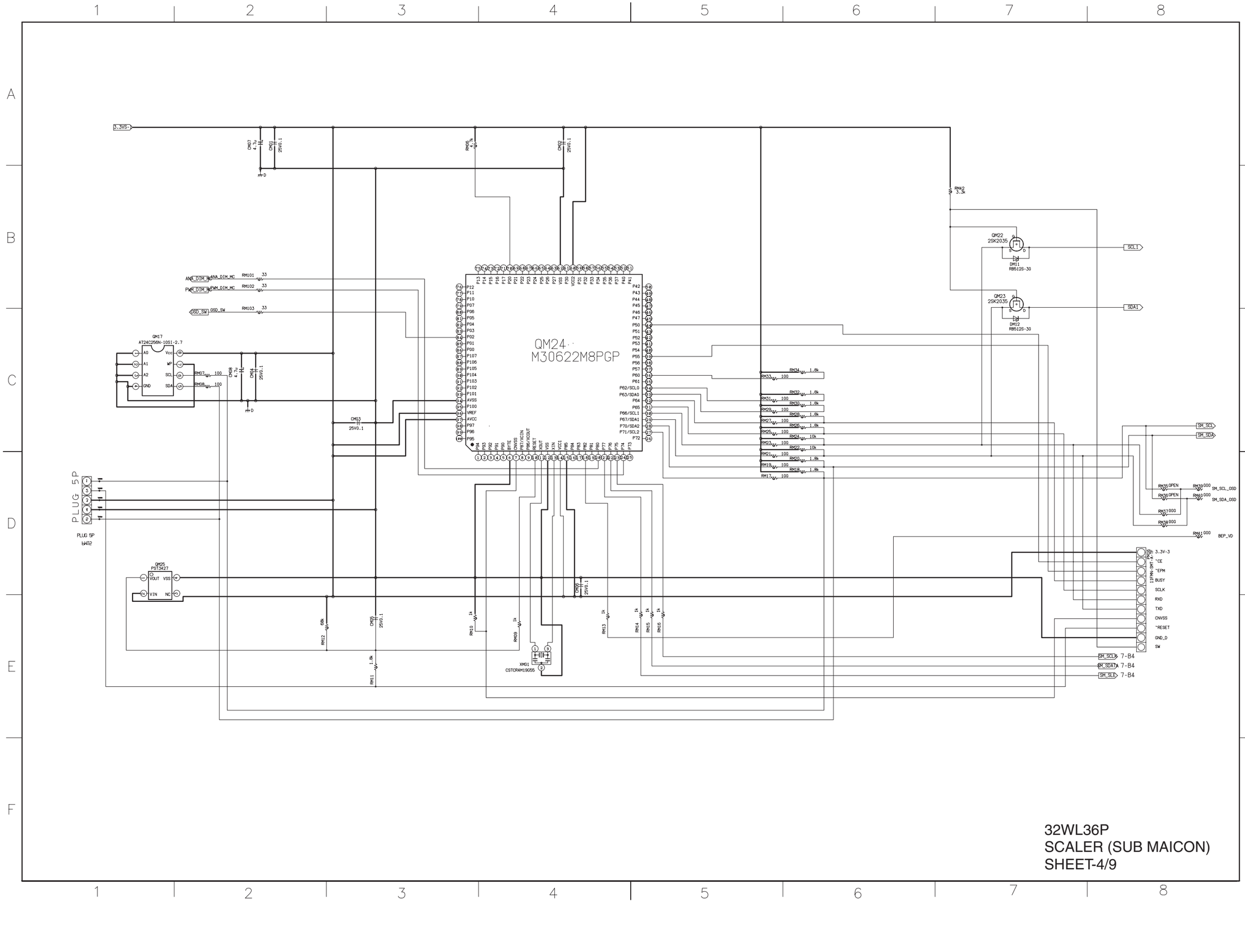


32WL36P
SCALER (BLOCK DIAGRAM)
SHEET-1/9

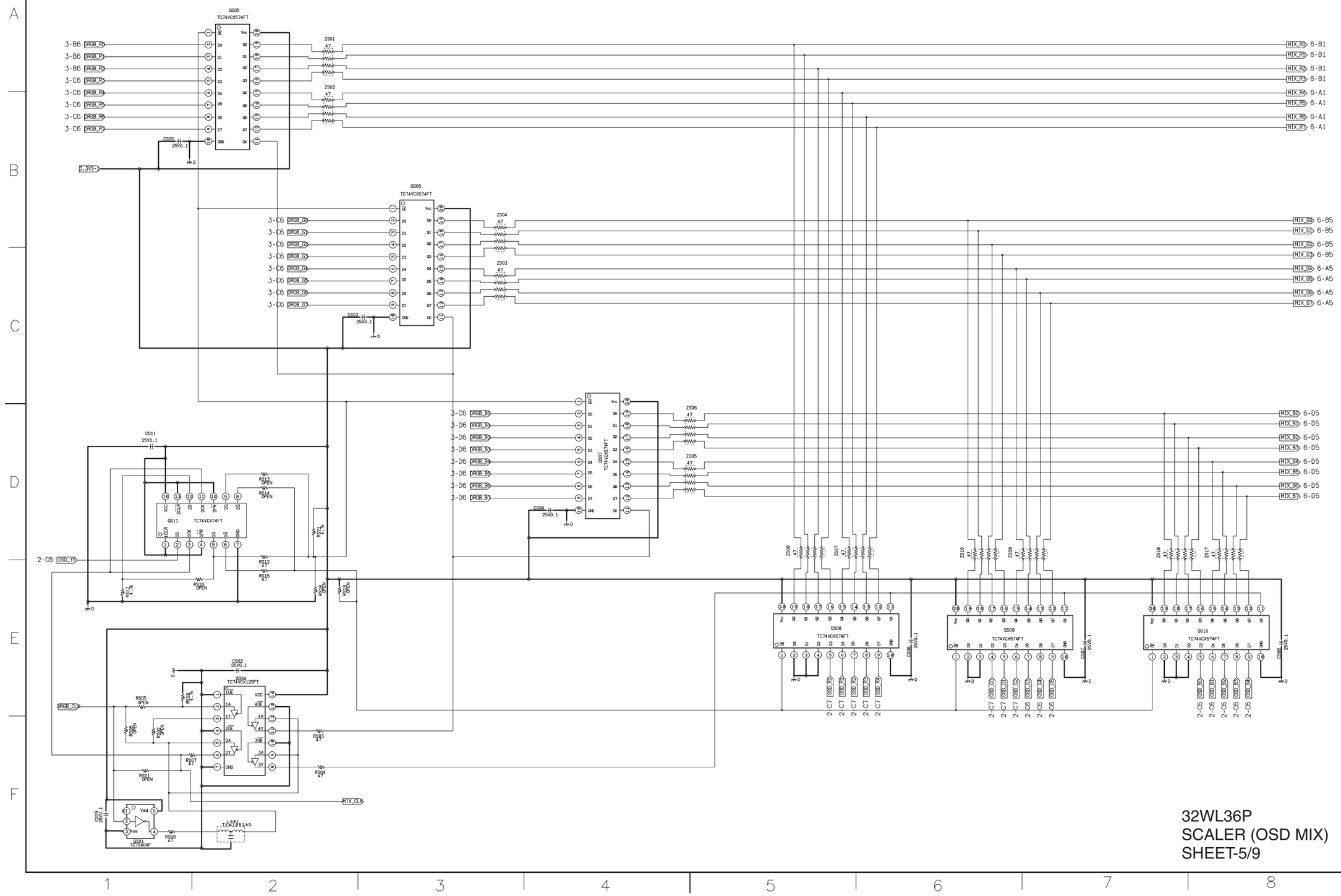
32WL36P
SCALER (LVDS_IN)
SHEET-2/9

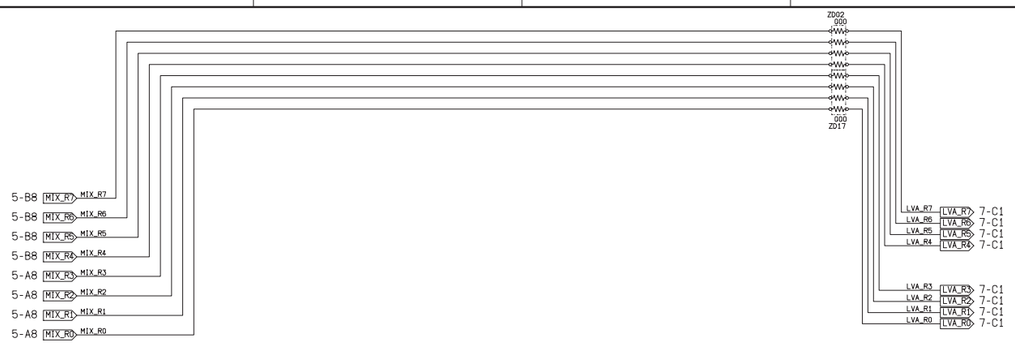


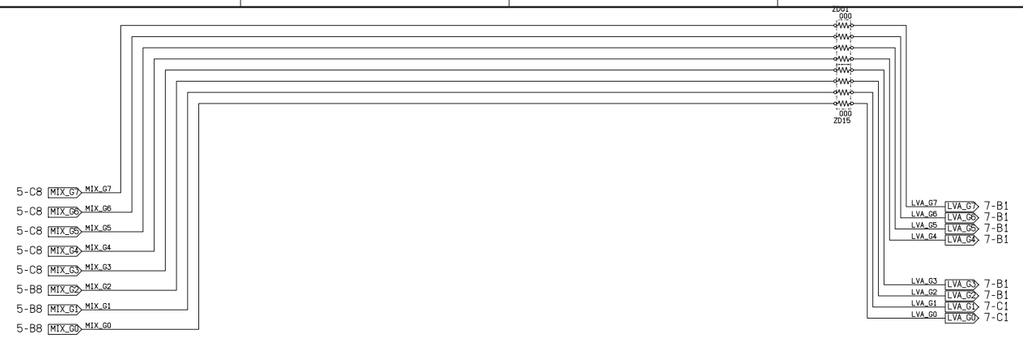
32WL36P
SCALER (DIGITAL RGB Pro.)
SHEET-3/9

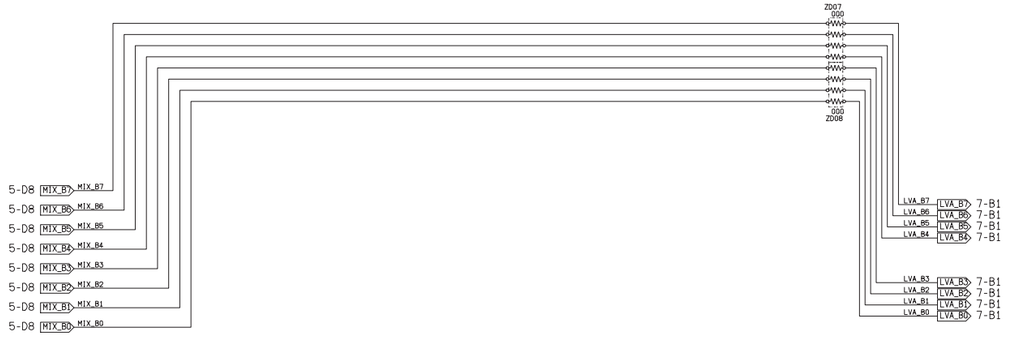


32WL36P
SCALER (SUB MAICON)
SHEET-4/9

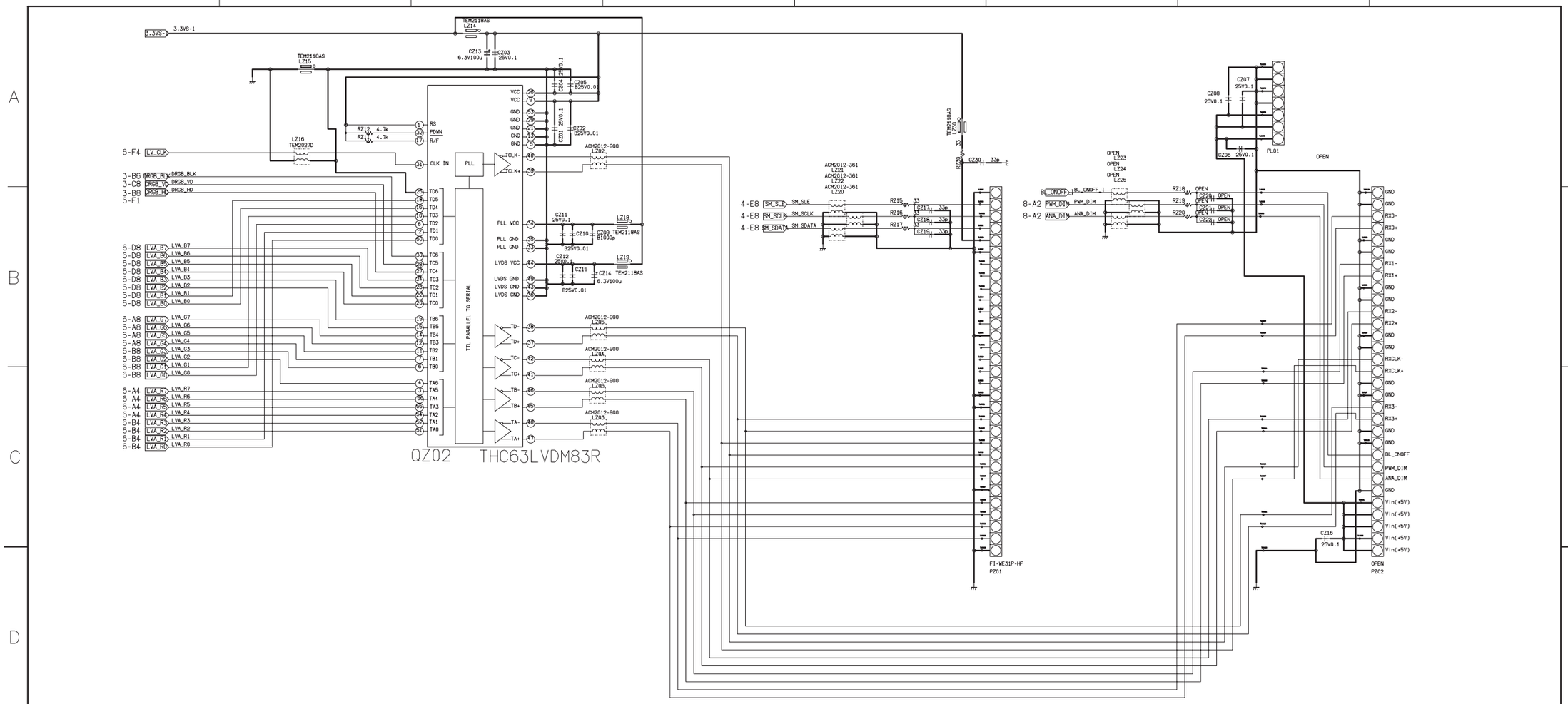

QS05
TC74VCX574FT
QS06
TC74VCX574FT
QS07
TC74VCX574FT
QS08
TC74VCX574FT
QS09
TC74VCX574FT
QS10
TC74VCX574FT
QS11
TC74VCX74FT
QS04
TC74VCX125FT
DRGB_R0
DRGB_R1
DRGB_R2
DRGB_R3
DRGB_R4
DRGB_R5
DRGB_R6
DRGB_R7
DRGB_G0
DRGB_G1
DRGB_G2
DRGB_G3
DRGB_G4
DRGB_G5
DRGB_G6
DRGB_G7
DRGB_B0
DRGB_B1
DRGB_B2
DRGB_B3
DRGB_B4
DRGB_B5
DRGB_B6
DRGB_B7
OSD_Y5
DRGB_CLK
MIX_CLK
3.3VS
MIX_R0
MIX_R1
MIX_R2
MIX_R3
MIX_R4
MIX_R5
MIX_R6
MIX_R7
MIX_G0
MIX_G1
MIX_G2
MIX_G3
MIX_G4
MIX_G5
MIX_G6
MIX_G7
MIX_B0
MIX_B1
MIX_B2
MIX_B3
MIX_B4
MIX_B5
MIX_B6
MIX_B7
ZS01
ZS02
ZS03
ZS04
ZS05
ZS06
ZS07
ZS08
ZS09
ZS10
ZS17
ZS18
LS01
TAM1852AD
DS01
TC75A04F
32WL36P
SCALER (OSD MIX)
SHEET-5/9



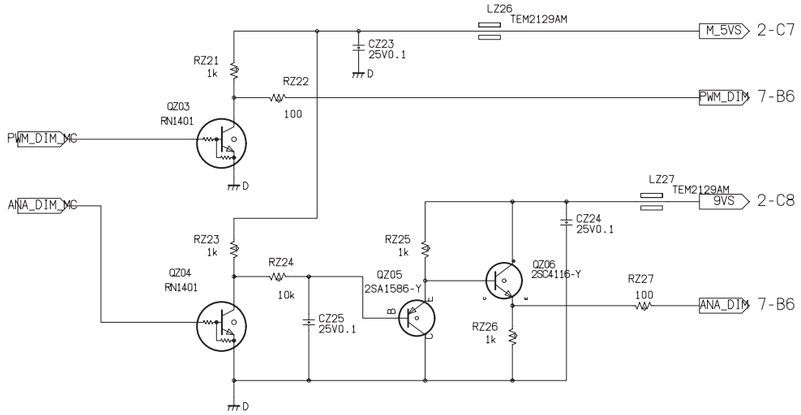




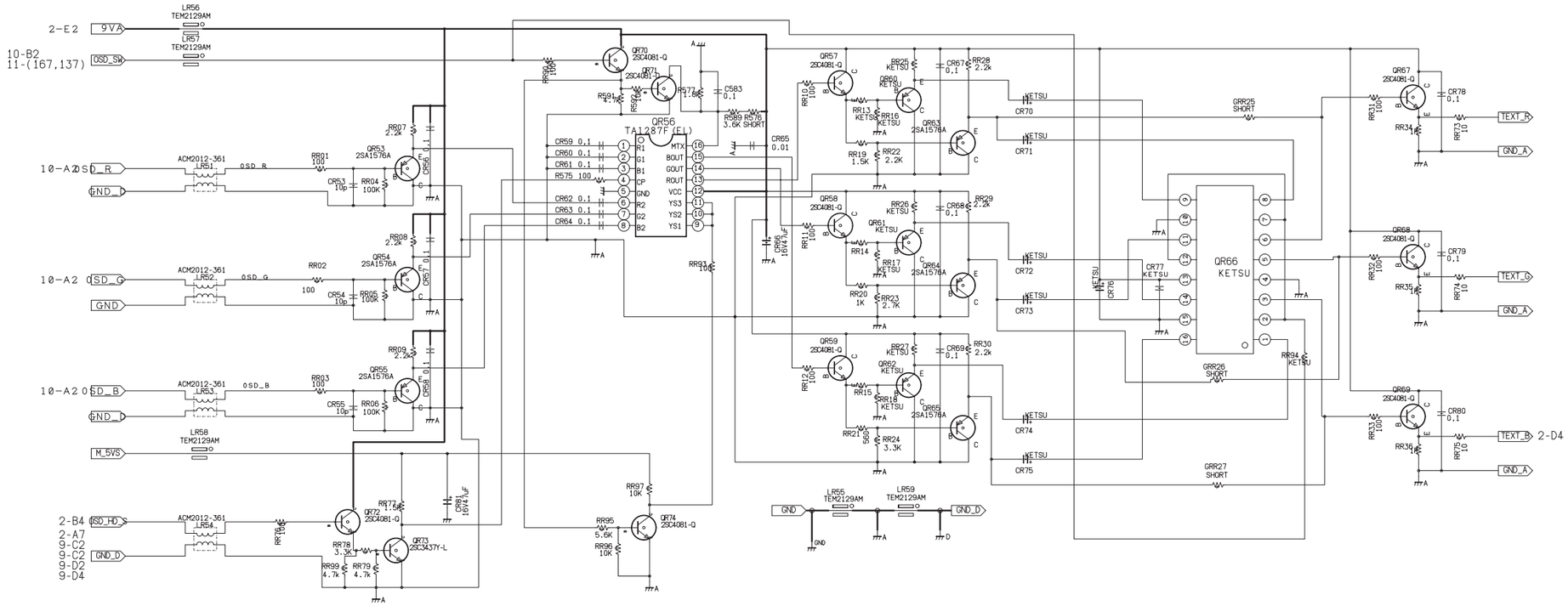
32WL36P
SCALER (OSD±MIX)
SHEET-6/9



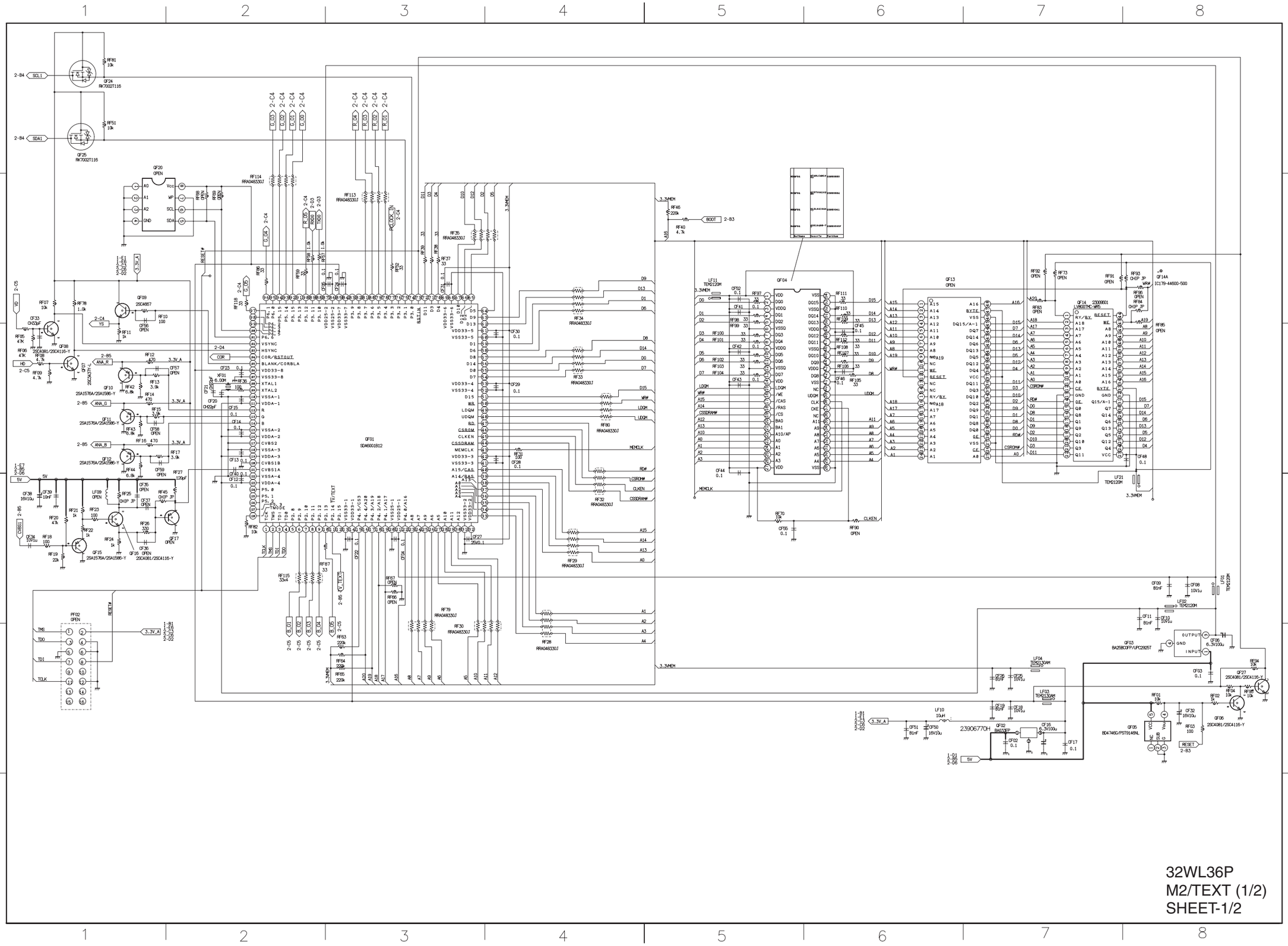
32WL36P
SCALER (LVDS OUT)
SHEET-7/9

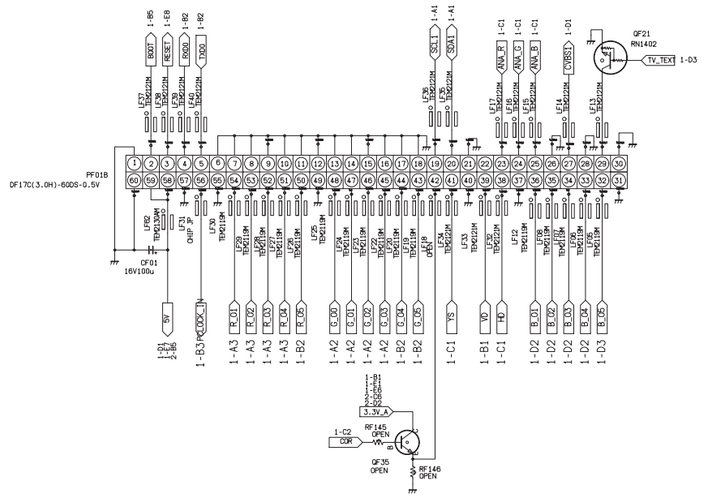


32WL36P
SCALER (8/9)
SHEET-8/9

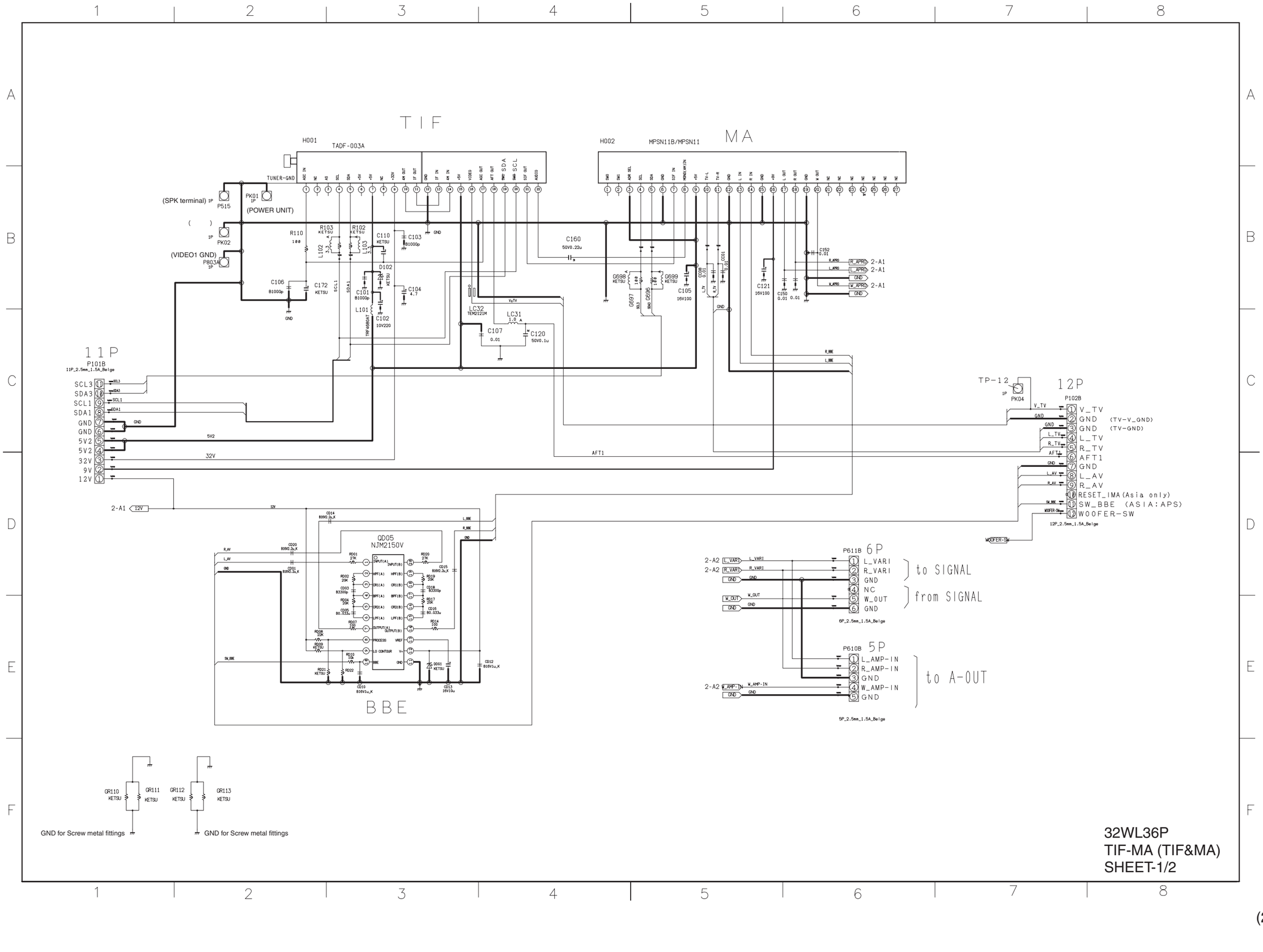


32WL36P
SCALER (ANALOG OSD/TEXT)
SHEET-9/9

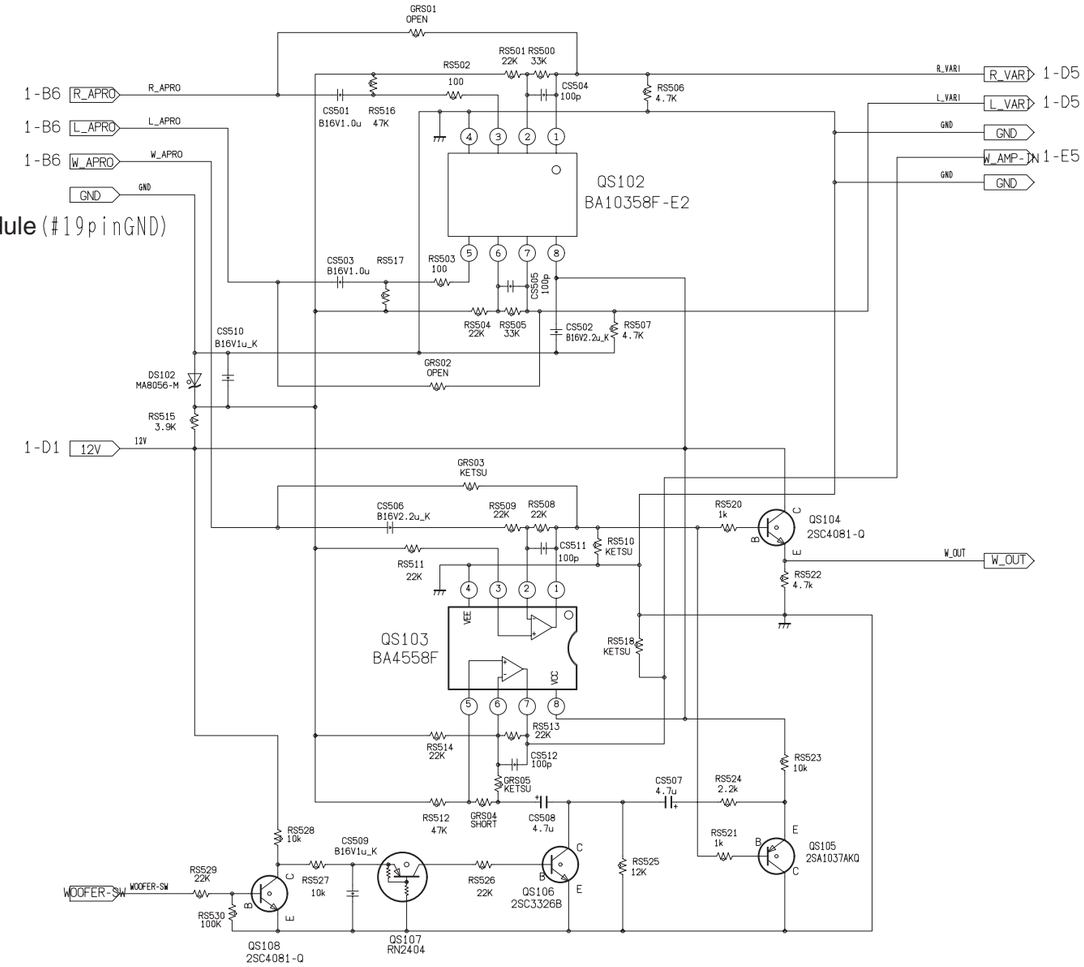

32WL36P
M2/TEXT (1/2)
SHEET-1/2



32WL36P
M2/TEXT (2/2)
SHEET-2/2


TIF
MA
H001
TADF-003A
H002
MPSN11B/MPSN11
TUNER-GND
(SPK terminal) 1P
P515
PK01
(POWER UNIT)
PK02
(VIDEO1 GND)
P803A
R103 KETSU
R102 KETSU
R110 100
L102 3.3
L103 3.3
C110 KETSU
C103 B1000p
D102 1SS355 KETSU
C106 B1000p
C172 KETSU
C101 B1000p
L101 TRF-AR68UAT
C102 10V220
C104 4.7
C160 50V0.22u
LC32 TEM2121M
LC31 1.0 A
C107 0.01
C120 50V0.1u
G698 KETSU
G699 KETSU
G697 103
G696 103
C105 16V100
C008 0.01
C031 0.01
C121 16V100
C150 0.01
C152 0.01
R_APRO
L_APRO
W_APRO
GND
2-A1
11P
P101B
11P_2.5mm_1.5A_Beige
SCL3
SDA3
SCL1
SDA1
GND
5V2
32V
9V
12V
AFT1
R_BBE
L_BBE
TP-12
PK04
12P
P102B
V_TV
GND (TV-V_GND)
GND (TV-GND)
L_TV
R_TV
AFT1
L_AV
R_AV
RESET_IMA(Asia only)
SW_BBE (ASIA:APS)
WOOFER-SW
12P_2.5mm_1.5A_Beige
2-A1 12V
QD05
NJM2150V
CD14 B16V2.2u_K
CD20 B16V2.2u_K
CD21 B16V2.2u_K
CD15 B16V2.2u_K
RD01 27K
RD19 20K
RD02 20K
CD03 B3300p
RD04 20K
CD06 B0.033u
RD07 150
RD08 22K
RD09 KETSU
RD10 10K
RD21 KETSU
RD22
CD10 B16V1u_K
CD18 B3300p
RD17 20K
CD16 B0.033u
RD14 100
DD01 KETSU
CD13 16V10u
CD12 B16V1u_K
BBE
P611B 6P
2-A2 L_VARI
2-A2 R_VARI
L_VARI
R_VARI
GND
NC
W_OUT
GND
to SIGNAL
from SIGNAL
6P_2.5mm_1.5A_Beige
P610B 5P
2-A2 W_AMP-IN
L_AMP-IN
R_AMP-IN
GND
W_AMP-IN
GND
to A-OUT
5P_2.5mm_1.5A_Beige
GR110 KETSU
GR111 KETSU
GR112 KETSU
GR113 KETSU
GND for Screw metal fittings
GND for Screw metal fittings
32WL36P
TIF-MA (TIF&MA)
SHEET-1/2

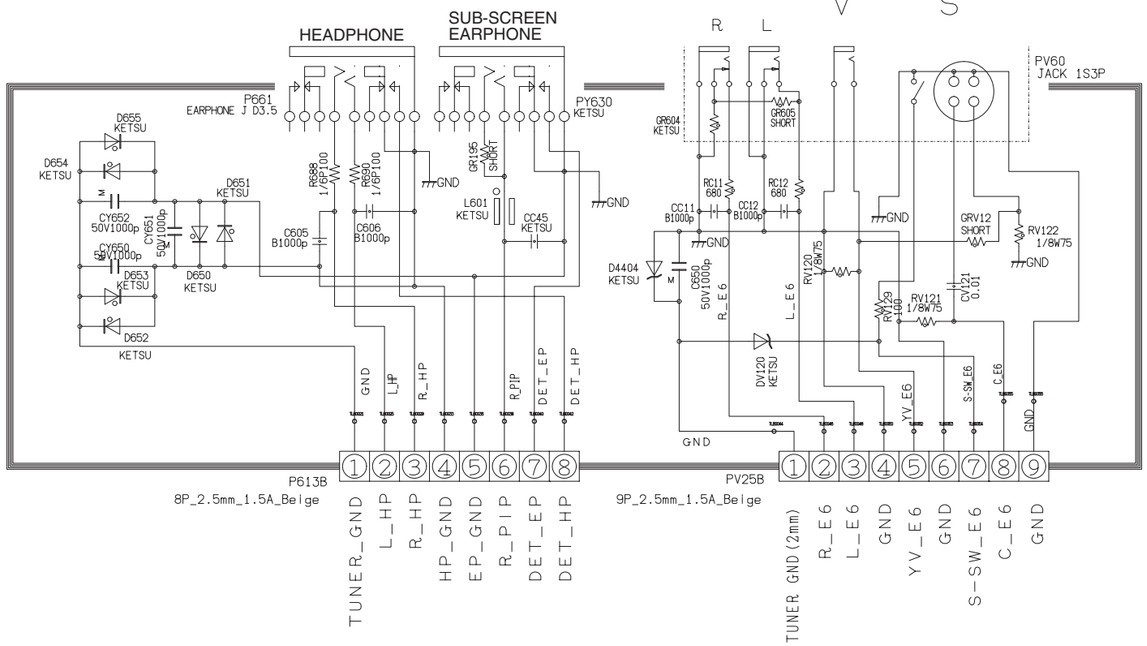
Pin of MA module (#19pinGND)



32WL36P
TIF-MA (AUDIO GAIN COMPENSATION)
SHEET-2/2

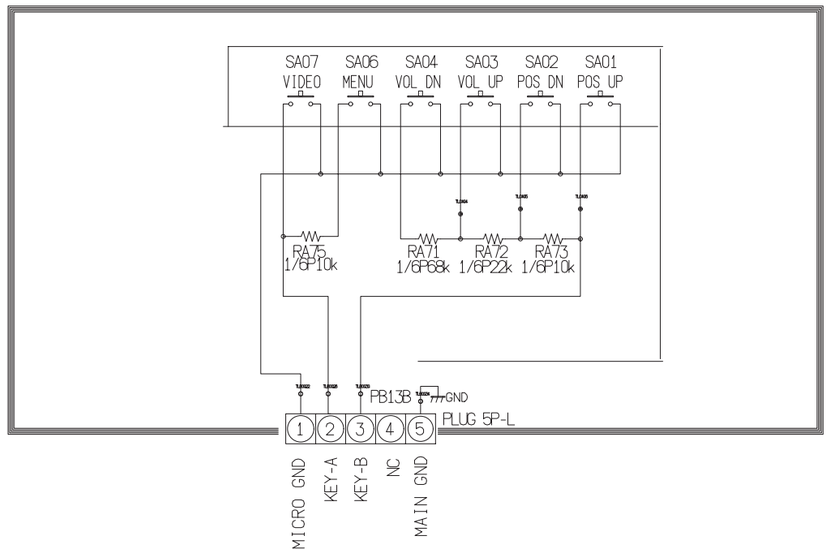
U00 FRONT AV

E6 V S



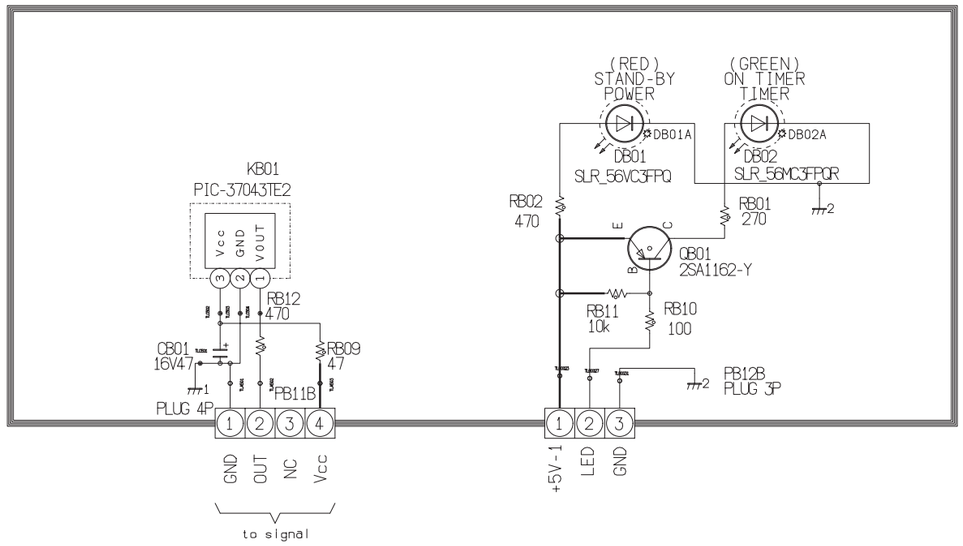
32WL36P
FRONT AV

U00 KEY



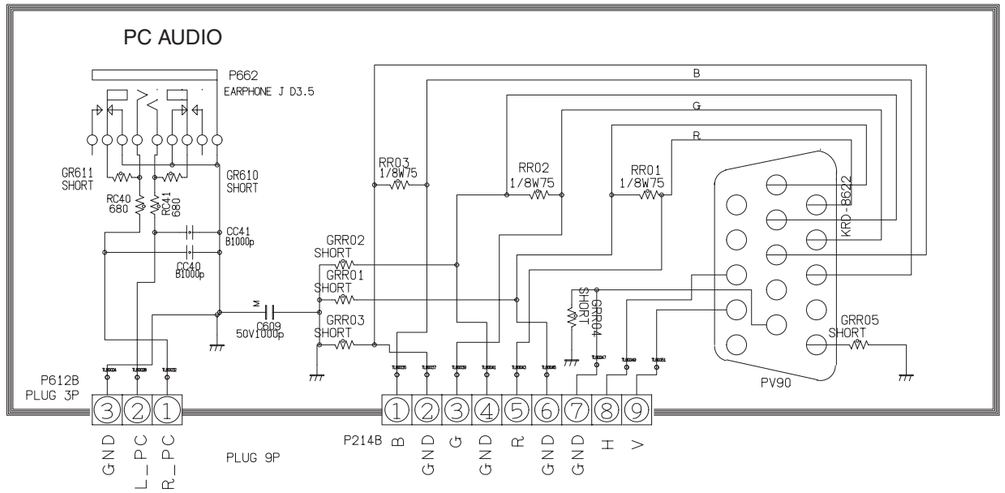
32WL36P
KEY

U0 LED/RMT

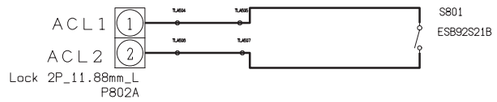


32WL36P
LED RMT

U0 PC

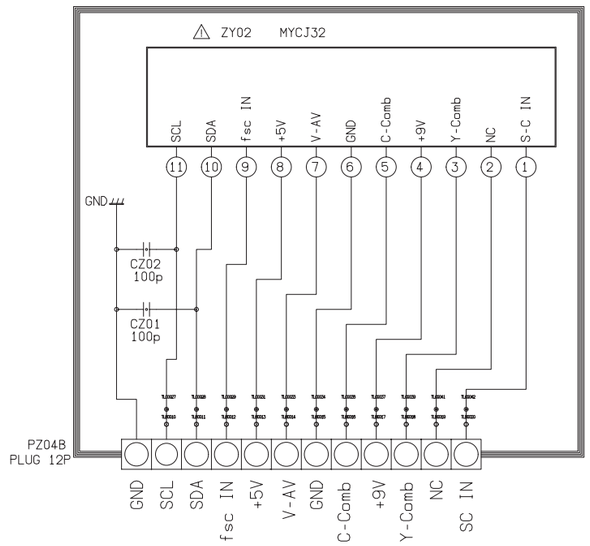


32WL36P
PC INPUT



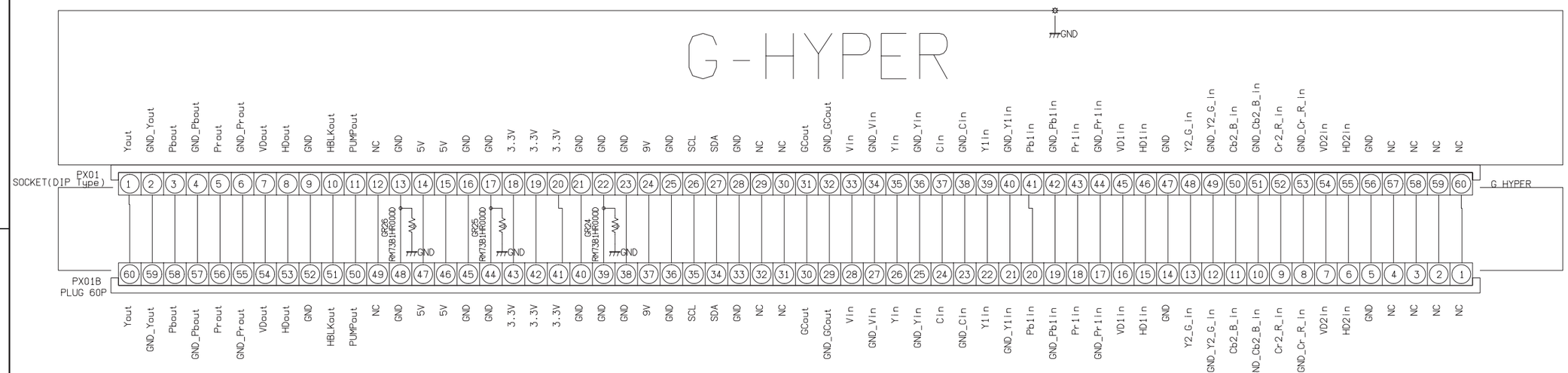
32WL36P
POWER SW

U00 3D MOD

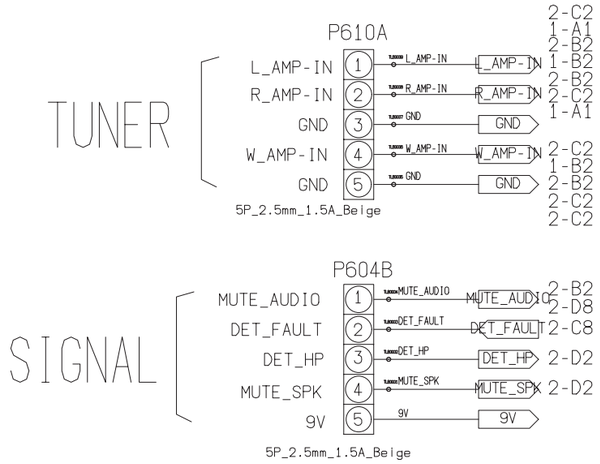


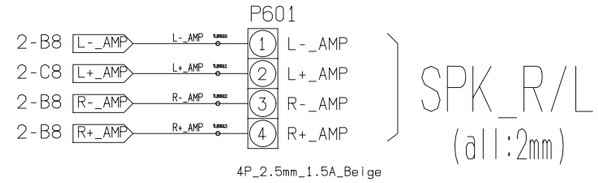
32WL36P
3D YCS

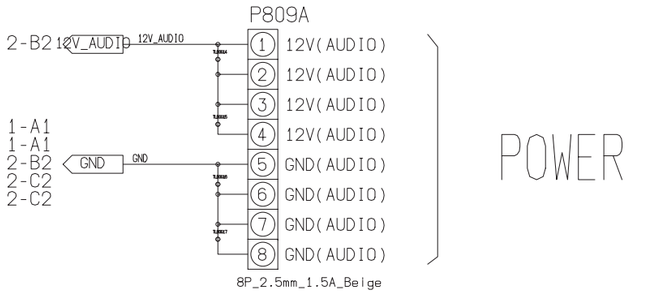
PY02
G-Hyper-MOD



32WL36P
G-HYPER





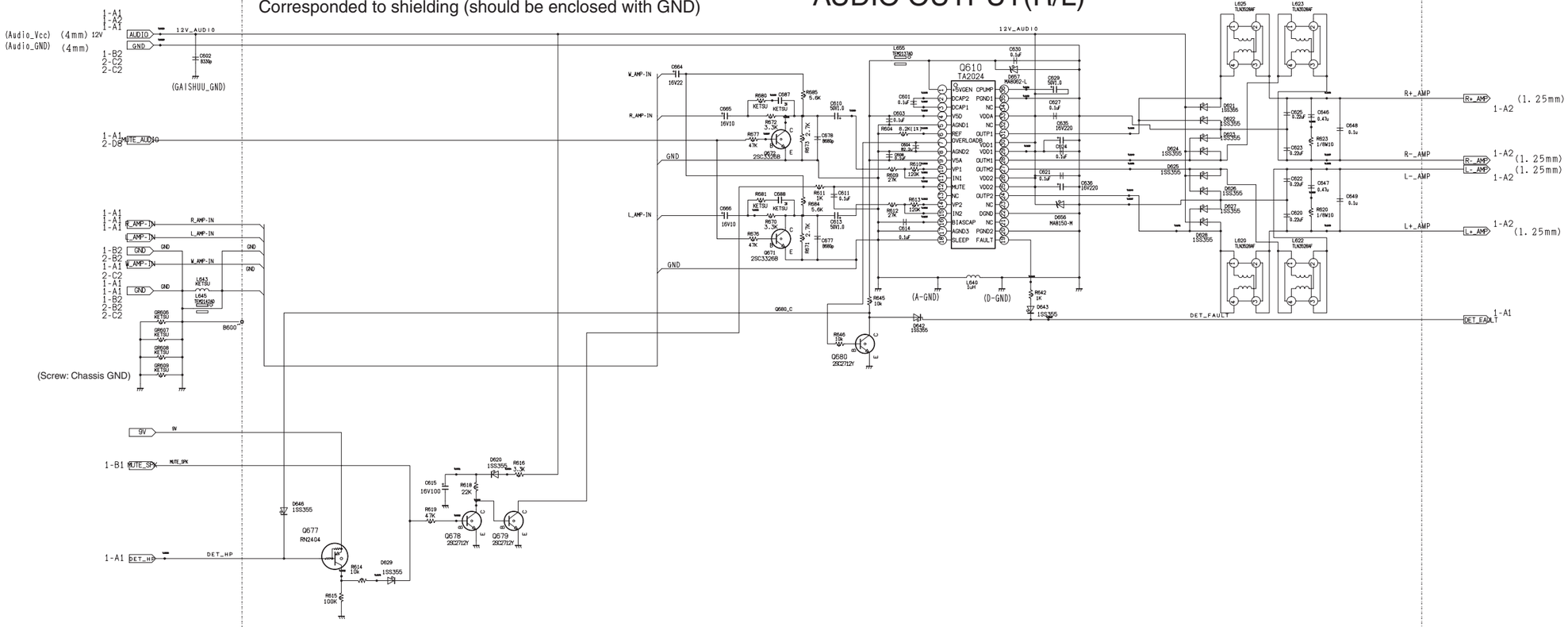


32WL36P
A-OUT (1/2)
SHEET-1/2

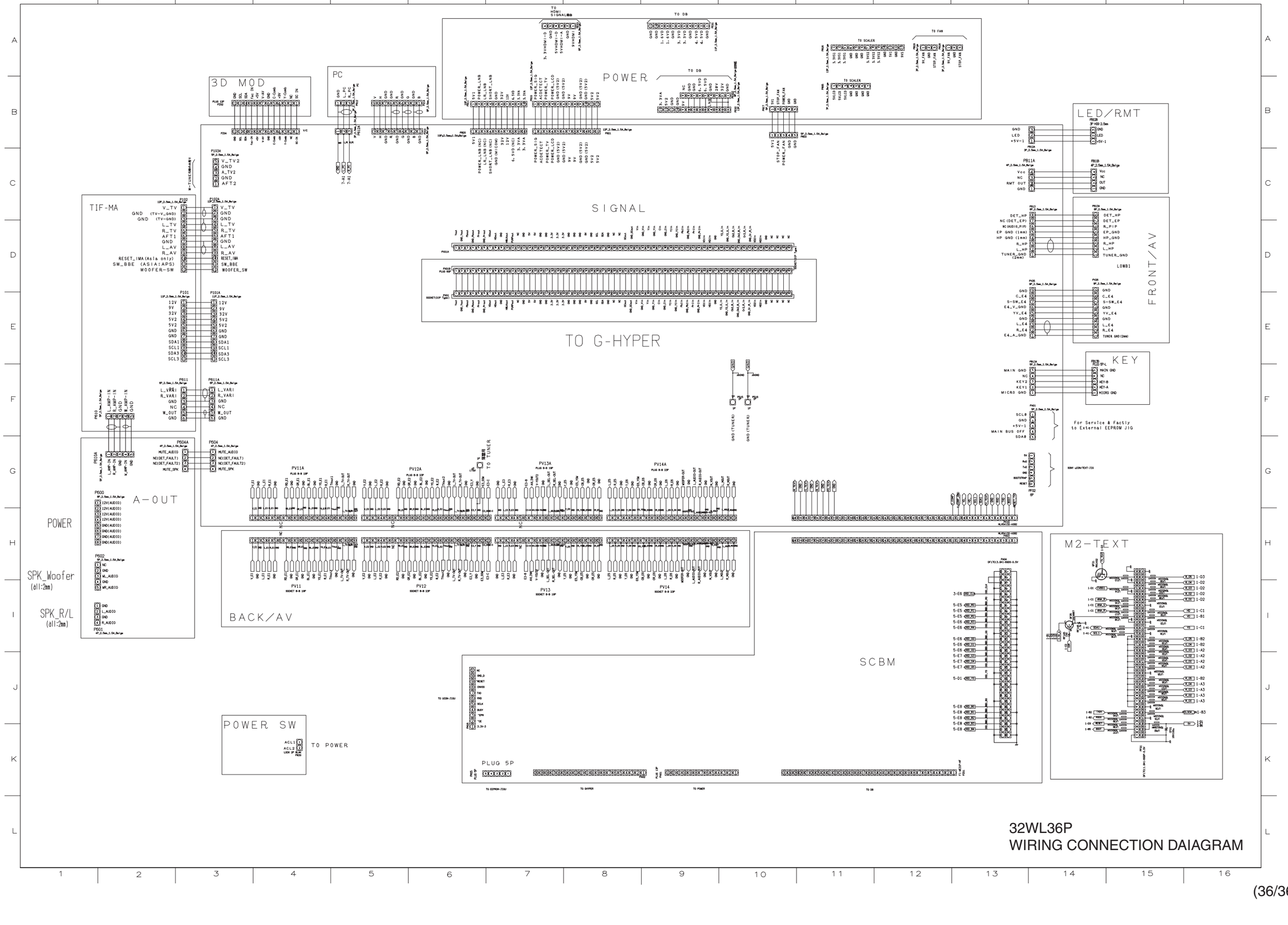
The surface patterns under Q610 and Q6100 should be GND, and make many more through-holes between suface GNDs as much as possible.

Corresponded to shielding (should be enclosed with GND)

AUDIO OUTPUT(R/L)



32WL36P
A-OUT (2/2)
SHEET-2/2



32WL36P
WIRING CONNECTION DAIAGRAM